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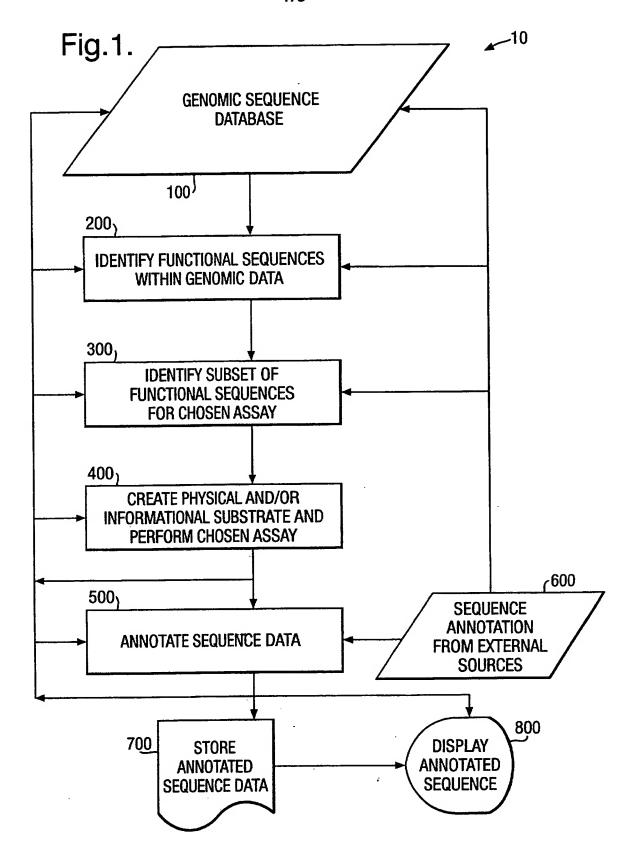
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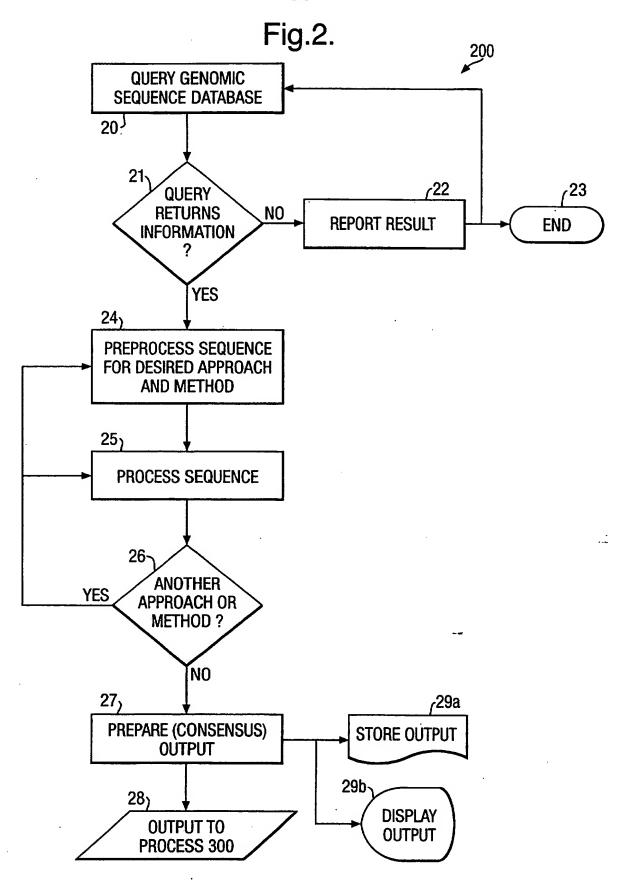
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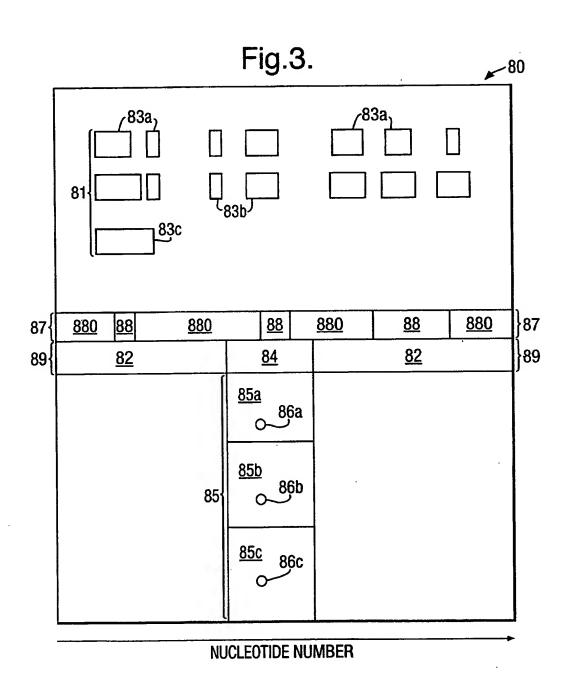
Human genome-derived single exon nucleic acid probes

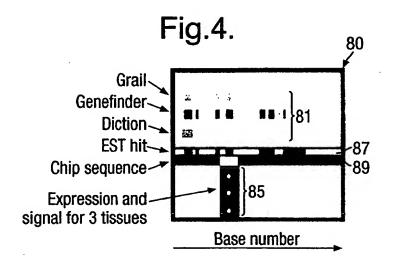
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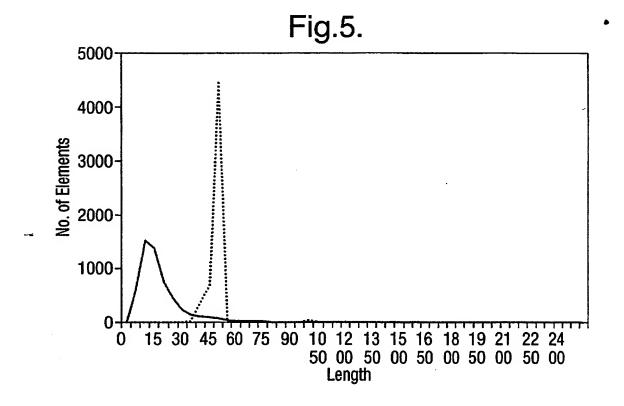
(57) A single exon nucleic acid microarray comprising a plurality of single exon nucleic acid probes for measuring gene expression in a sample derived from human heart is described. Also described are single exon nucleic acid probes expressed in the heart and their use in methods for detecting gene expression.

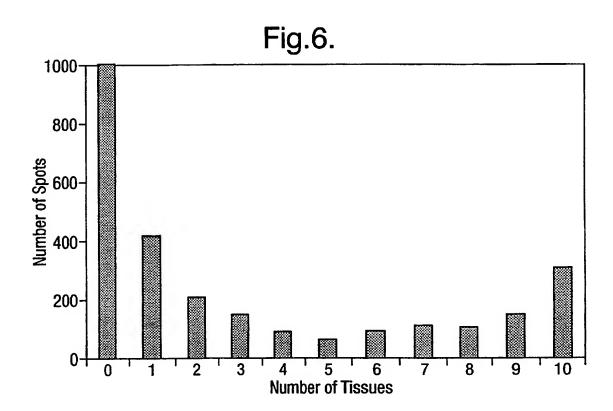


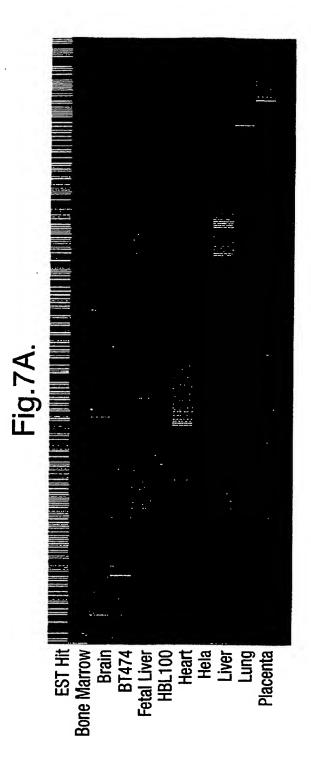




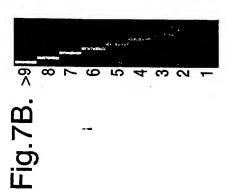


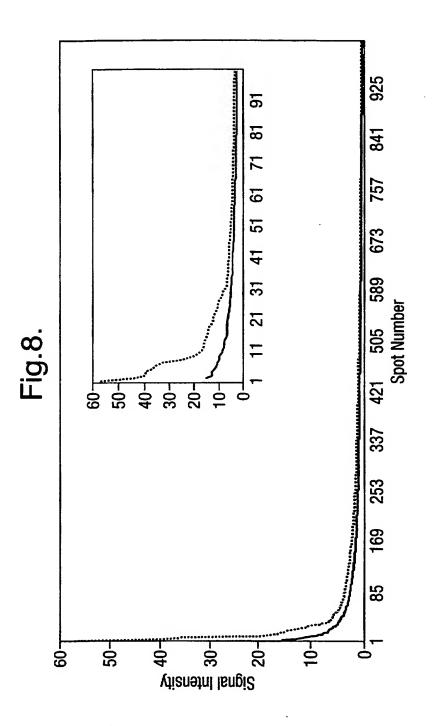


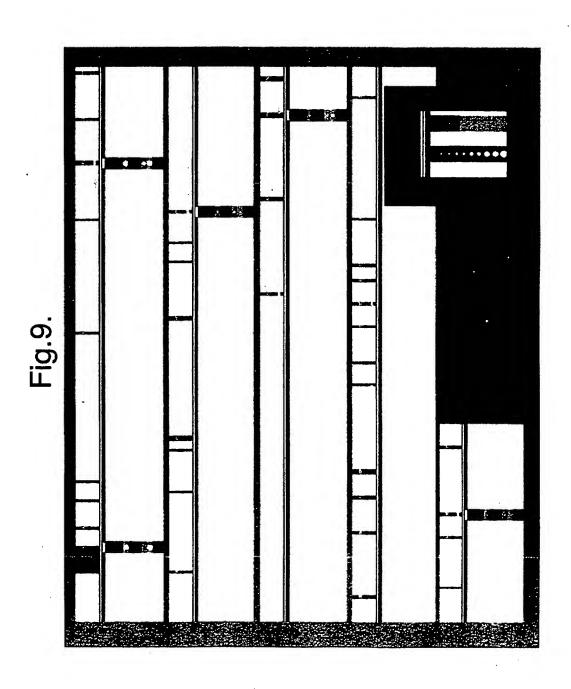




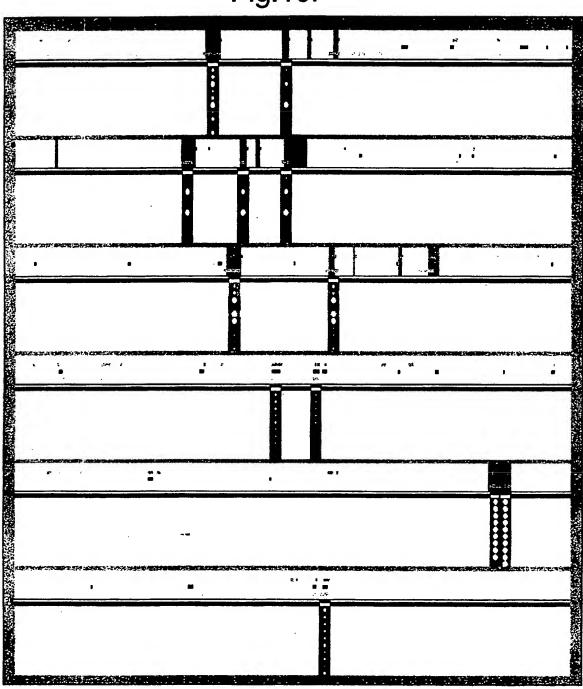












HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR ANALYSIS OF GENE EXPRESSION IN HUMAN HEART

5 Cross-reference to parent application.

The present application is a divisional application of GB 0024263.6. All references to SEQ ID NOs. in the present application are references to the sequence listing accompanying GB 0024263.6.

Field of the Invention

The present invention relates to genome-derived
single exon microarrays useful for verifying the expression
of regions of genomic DNA predicted to encode protein. In
particular, the present invention relates to unique genomederived single exon nucleic acid probes expressed in human
heart and single exon nucleic acid microarrays that include
such probes.

#### Background of the Invention

For almost two decades following the invention of general techniques for nucleic acid sequencing, Sanger et al., Proc. Natl. Acad. Sci. USA 70(4):1209-13 (1973); Gilbert et al., Proc. Natl. Acad. Sci. USA 70(12):3581-4 (1973), these techniques were used principally as tools to further the understanding of proteins — known or suspected — about which a basic foundation of biological knowledge had already been built. In many cases, the cloning effort that preceded sequence identification had been both informed and directed by that antecedent biological understanding.

For example, the cloning of the T cell receptor

for antigen was predicated upon its known or suspected cell type-specific expression, by its suspected membrane association, and by the predicted assembly of its gene via T cell-specific somatic recombination. Subsequent sequencing efforts at once confirmed and extended understanding of this family of proteins. Hedrick et al., Nature 308(5955):153-8 (1984).

More recently, however, the development of high throughput sequencing methods and devices, in concert with large public and private undertakings to sequence the human and other genomes, has altered this investigational paradigm: today, sequence information often precedes understanding of the basic biology of the encoded protein product.

One of the approaches to large-scale sequencing 15 is predicated upon the proposition that expressed sequences - that is, those accessible through isolation of mRNA - are of greatest initial interest. This "expressed sequence tag" ("EST") approach has already yielded vast amounts of sequence data (see for example Adams et al., Science 252:1651 (1991); Williamson, Drug Discov. Today 4:115 (1999)). For nucleic acids sequenced by this approach, often the only biological information that is known a priori with any certainty is the likelihood of 25 biologic expression itself. By virtue of the species and tissue from which the mRNA had originally been obtained, most such sequences are also annotated with the identity of the species and at least one tissue in which expression appears likely.

More recently, the pace of genomic sequencing has accelerated dramatically. When genomic DNA serves as the initial substrate for sequencing efforts, expression cannot be presumed; often the only a priori biological information about the sequence includes the species and chromosome (and

perhaps (chromosomal map location) of origin.

With the ever-accelerating pace of sequence accumulation by directed, EST, and genomic sequencing approaches — and in particular, with the accumulation of sequence information from multiple genera, from multiple species within genera, and from multiple individuals within a species — there is an increasing need for methods that rapidly and effectively permit the functions of nucleic sequences to be elucidated. And as such functional information accumulates, there is a further need for methods of storing such functional information in meaningful and useful relationship to the sequence itself; that is, there is an increasing need for means and apparatus for annotating raw sequence data with known or predicted functional information.

Although the increase in the pace of genomic sequencing is due in large part to technological changes in sequencing strategies and instrumentation, Service, Science 280:995 (1998); Pennisi, Science 283: 1822-1823 (1999), there is an important functional motivation as well.

While it was understood that the EST approach would rarely be able to yield sequence information about the noncoding portions of the genome, it now also appears the EST approach is capable of capturing only a fraction of a genome's actual expression complexity.

For example, when the *C. elegans* genome was fully sequenced, gene prediction algorithms identified over 19,000 potential genes, of which only 7,000 had been found by EST sequencing. *C. elegans* Sequencing Consortium,

30 *Science* 282:2012 (1998). Analogously, the recently completed sequence of chromosome 2 of *Arabidopsis* predicts over 4000 genes, Lin et al., *Nature*, 402:761 (1999), of which only about 6% had previously been identified via EST sequencing efforts. Although the human genome has the

greatest depth of EST coverage, it is still woefully short of surrendering all of its genes. One recent estimate suggests that the human genome contains more than 146,000 genes, which would at this point leave greater than half of the genes undiscovered. It is now predicted that many genes, perhaps 20 to 50%, will only be found by genomic sequencing.

There is, therefore, a need for methods that permit the functional regions of genomic sequence — and nost importantly, but not exclusively, regions that function to encode genes — to be identified.

Much of the coding sequence of the human genome is not homologous to known genes, making detection of open reading frames ("ORFs") and predictions of gene function 15 difficult. Computational methods exist for predicting coding regions in eukaryotic genomes. Gene prediction programs such as GRAIL and GRAIL II, Uberbacher et al., Proc. Natl. Acad. Sci. USA 88 (24):11261-5 (1991); Xu et al., Genet. Eng. 16:241-53 (1994); Uberbacher et al., 20 Methods Enzymol. 266:259-81 (1996); GENEFINDER, Solovyev et al., Nucl. Acids. Res. 22:5156-63 (1994); Solovyev et al., Ismb 5:294-302 (1997); and GENESCAN, Burge et al., J. Mol. Biol. 268:78-94 (1997), predict many putative genes without known homology or function. Such programs are known, 25 however, to give high false positive rates. Burset et al., Genomics 34:353-367 (1996). Using a consensus obtained by a plurality of such programs is known to increase the reliability of calling exons from genomic sequence. Ansari-Lari et al., Genome Res. 8(1):29-40 (1998)

Identification of functional genes from genomic data remains, however, an imperfect art. For example, in reporting the full sequence of human chromosome 21, the Chromosome 21 Mapping and Sequencing Consortium reports that prior bioinformatic estimates of human gene number may

need to be revised substantially downwards. Nature 405:311-199 (2000); Reeves, Nature 405:283-284 (2000).

Thus, there is a need for methods and apparatus that permit the functions of the regions identified bioinformatically — and specifically, that permit the expression of regions predicted to encode protein — readily to be confirmed experimentally.

Recently, the development of nucleic acid microarrays has made possible the automated and highly parallel measurement of gene expression. Reviewed in Schena (ed.), DNA Microarrays: A Practical Approach (Practical Approach Series), Oxford University Press (1999) (ISBN: 0199637768); Nature Genet. 21(1)(suppl):1 - 60 (1999); Schena (ed.), Microarray Biochip: Tools and Technology, Eaton Publishing Company/BioTechniques Books Division (2000) (ISBN: 1881299376).

It is common for microarrays to be derived from cDNA/EST libraries, either from those previously described in the literature, such as those from the I.M.A.G.E.

20 consortium, Lennon et al., Genomics 33(1):151-2 (1996), or from the construction of "problem specific" libraries targeted at a particular biological question, R.S. Thomas et al., Cancer Res. (in press). Such microarrays by definition can measure expression only of those genes found in EST libraries, and thus have not been useful as probes for genes discovered solely by genomic sequencing.

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The utility of using whole genome nucleic acid microarrays to answer certain biological questions has been demonstrated for the yeast Saccharomyces cerevisiae. De

30 Risi et al., Science 278:680 (1997). The vast majority of yeast nuclear genes, approximately 95% however, are single exon genes, i.e., lack introns, Lopez et al., RNA 5:1135-1137 (1999); Goffeau et al., Science 274:563-67 (1996), permitting coding regions more readily to be identified.

Whole genome nucleic acid microarrays have not generally been used to probe gene expression from more complex eukaryotic genomes, and in particular from those averaging more than one intron per gene.

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## Summary of the Invention

The present invention solves these and other problems in the art by providing methods and apparatus for predicting, confirming, and displaying functional information derived from genomic sequence. The present invention also provides apparatus for verifying the expression of putative genes identified within genomic sequence.

In particular, the invention provides novel genome-derived single exon nucleic acid microarrays useful for verifying the expression of putative genes identified within genomic sequence.

The present invention also provides compositions
and kits for the ready production of nucleic acids
identical in sequence to, or substantially identical in
sequence to, probes on the genome-derived single exon
microarrays of the present invention.

Accordingly, in a first aspect of the invention,

there is provided a spatially-addressable set of single
exon nucleic acid probes for measuring gene expression in a
sample derived from human heart, comprising a plurality of
single exon nucleic acid probes according to any one of the
nucleotide sequences set out in SEQ ID NOs: 1 - 5,202 of
the sequence listing accompanying GB 0024263.6 or a
complementary sequence, or a portion of such a sequence.

By plurality is meant at least two, suitably at least 20, most suitably at least 100, preferably at least 1000 and, most preferably, upto 5000.

In one embodiment of the first aspect, each of said plurality of probes is separately and addressably amplifiable.

In an alternative embodiment, each of said 5 plurality of probes is separately and addressably isolatable from said plurality.

In a preferred embodiment, each of said plurality of probes is amplifiable using at least one common primer. Preferably, each of said plurality of probes is amplifiable 10 using a first and a second common primer.

In yet another embodiment, said set of single exon nucleic acid probes comprises between 50 - 20,000 probes, for example, 50 - 5000.

Suitably, said set of single exon nucleic acid 15 probes comprises at least 50 - 1000 discrete single exon nucleic acid probes having a sequence as set out in any of SEQ ID NOS.: 1 - 10,283 of the sequence listing accompanying GB 0024263.6 or a complimentary sequence, or a portion of such a sequence.

Preferably, the average length of the single exon nucleic acid probes is between 200 and 500 bp. It is preferred that the average length should be at least 200bp, suitably at least 250bp, most suitably at least 300bp, preferably at least 400bp and, most preferably, 500 bp.

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In another embodiment, the single exon nucleic acid probes lack prokaryotic and bacteriophage vector sequence. It is preferred that at least 50%, suitably at least 60%, most suitably at least 70%, preferably at least 75%, more preferably at least 80, 85, 90, 95 or 99% of said 30 single exon nucleic acid probes lack prokaryotic and bacteriophage vector sequence.

In another preferred embodiment, said single exon nucleic acid lack homopolymeric stretches of A or T. It is preferred that at least 50%, suitably at least 60%, most

suitably at least 70%, preferably at least 75%, more preferably at least 80, 85, 90, 95 or 99% of said single exon nucleic acid probes lack homopolymeric stretches of A or T.

In a particularly preferred embodiment, a set of single exon nucleic acid probes in accordance with a first aspect of the invention comprises a nucleotide sequence selected from any of SEQ ID NOS.: 286, 287, 442, 871, 1029, 1280, 1597, 1619, 1694, 1715, 1721, 1848, 1935, 2119, 2233, 2893, 3003, 3003, 3149, 3403, 3471, 3513, 3607, 4102, 4164, 4184, 4184, 4242, 4730, 4779, 4976, 4988, 5473, 5608, 6019, 6169, 6410, 6723, 6745, 6818, 6838, 6844, 6966, 7052, 7230, 7340, 8044, 8155, 8298, 8545, 8612, 8654, 8746, 9228, 9290, 9310, 9367, 9842, 9889, 10079 and 10091 of the sequence listing accompanying GB 0024263.6, a sequence complementary to any of said sequences, or a portion of such a sequence.

In yet another embodiment, a set of single exon nucleic acid probes in accordance with the invention comprises a nucleotide encoding a peptide having an amino acid sequence as set out in any of SEQ ID NOS.: 10603, 10741, 11179, 11571, 11893, 11913, 11999, 12017, 12023, 12152, 12245, 12439, 12552, 13144, 13255, 13256, 13407, 13653, 13724, 13841, 14313, 14370, 14390, 14391, 14934, 15149 and 15161, of the sequence listing accompanying GB 0024263.6 or portion thereof.

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Preferably, a spatially-addressable set of single exon nucleic acid probes in accordance with the first aspect of the invention is is addressably disposed upon a substrate.

Suitable substrates include a filter membrane which may, preferably, be nitrocellulose or nylon. The nylon may preferably, be positively-charged. Other suitable substrates include glass, amorphous silicon, crystalline silicon, and plastic. Further suitable materials include

polymethylacrylic, polyethylene, polypropylene, polyacrylate, polymethylmethacrylate, polyvinylchloride, polytetrafluoroethylene, polystyrene, polycarbonate, polyacetal, polysulfone, celluloseacetate,

5 cellulosenitrate, nitrocellulose, and mixtures thereof.

In a second aspect of the invention, there is provided a microarray comprising a spatially addressable set of single exon nucleic acid probes in accordance with the first aspect of the invention.

In one embodiment, a genome-derived single-exon microarray is packaged together with such an ordered set of amplifiable probes corresponding to the probes, or one or more subsets of probes, thereon. In alternative embodiments, the ordered set of amplifiable probes is packaged separately from the genome-derived single exon microarray.

In another aspect, the invention provides genomederived single exon nucleic acid probes useful for gene expression analysis, and particularly for gene expression 20 analysis by microarray. In particular embodiments of this aspect, the present invention provides human single-exon probes that include specifically-hybridizable fragments of SEQ ID Nos. 5,203 - 10,283, wherein the fragment hybridizes at high stringency to an expressed human gene. In 25 particular embodiments, the invention provides single exon probes comprising SEQ ID Nos. 1 - 5,202.

Accordingly, in a third aspect of the invention, there is provided a single exon nucleic acid probe for measuring human gene expression in a sample derived from 130 human heart which is a nucleic acid molecule comprising a nucleotide sequence as set out in any of SEQ ID NOs.: 1 - 5,202 or a complementary sequence or a fragment thereof wherein said probe hybridizes at high stringency to a nucleic acid expressed in the human heart.

In one embodiment, a single exon nucleic acid probe in accordance with the third aspect comprises a nucleotide sequence as set out in any of SEQ ID NOs.: 5,203 - 10,283 or a complementary sequence or a fragment thereof.

In a fourth aspect of the invention, there is provided a single exon nucleic acid probe for measuring human gene expression in a sample derived from human heart which is a nucleic acid molecule having a sequence encoding a peptide comprising a peptide sequence as set out in any of SEQ ID NOs.: 10,284 - 15,322 of the sequence listing accompanying GB 0024263.6, or a complementary sequence or a fragment thereof wherein said probe hybridizes at high stringency to a nucleic acid expressed in the human heart.

In a preferred embodiment, a single exon nucleic
acid probe for measuring human gene expression in a sample
derived from human heart is selected from any of SEQ ID
NOS.: 286, 287, 442, 871, 1029, 1280, 1597, 1619, 1694,
1715, 1721, 1848, 1935, 2119, 2233, 2893, 3003, 3003, 3149,
3403, 3471, 3513, 3607, 4102, 4164, 4184, 4184, 4242, 4730,
4779, 4976, 4988, 5473, 5608, 6019, 6169, 6410, 6723, 6745,
6818, 6838, 6844, 6966, 7052, 7230, 7340, 8044, 8155, 8298,
8545, 8612, 8654, 8746, 9228, 9290, 9310, 9367, 9842, 9889,
10079 and 10091 of the sequence listing accompanying GB
0024263.6.

In another embodiment, a single exon nucleic acid probe for measuring human gene expression in a sample derived from human heart is selected from a nucleotide encoding a peptide, or portion thereof, as set out in any of SEQ ID NOS.: 10603, 10741, 11179, 11571, 11893, 11913, 11999, 12017, 12023, 12152, 12245, 12439, 12552, 13144, 13255, 13256, 13407, 13653, 13724, 13841, 14313, 14370, 14390, 14391, 14934, 15149 and 15161 of the sequence listing accompanying GB 0024263.6.

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Preferably, a single exon nucleic acid probe in

accordance with the third or fourth aspects of the invention comprises between at least 15 and 50 contiguous nucleotides of said SEQ ID NO:. It is preferred that the single exon nucleic acid probe comprises at least 15, suitably at least 20, more suitably at least 25 or preferably at least 50 contiguous nucleotides of said SEQ ID NO:.

In another preferred embodiment, a single exon nucleic acid probe in accordance with the third or fourth aspects of the invention is between 3kb and 25kb in length. It is preferred that said probe is no more than 3kb, suitably no more than 5kb, more suitably no more than 10kb, preferably 15kb, more preferably 20kb or, most preferably, no more than 20kb in length.

Preferably, a single exon nucleic acid probe in accordance with either the fifth or sixth aspect of the invention is DNA, preferably single-stranded DNA, RNA or PNA.

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In another embodiment of either the third or

20 fourth aspect of the invention, a single exon nucleic acid
probe is detectably labeled. Suitable detectable labels
include a radionuclide, a fluorescent label or a first
member of a specific binding pair. Suitable fluorescent
labels include dyes such as cyanine dyes, preferably Cy3

25 and Cy5 although other suitable dyes will be known to those
skilled in the art.

In a particularly preferred embodiment, a single exon nucleic acid probe in accordance with either the third or fourth aspect of the invention lacks prokaryotic and bacteriophage vector sequence. In yet another embodiment, a single exon nucleic acid probe in accordance with either the third or fourth aspect of the invention lacks homopolymeric stretches of A or T.

In a fifth aspect of the invention, there is

provided an amplifiable nucleic acid composition, comprising:

the single exon nucleic acid probe in accordance with either of the third or fourth aspects of the 5 invention; and at least one nucleic acid primer;

wherein said at least one primer is sufficient to prime enzymatic amplification of said probe.

In an sixth aspect of the invention, there is provided a method of measuring gene expression in a sample 10 derived from human heart, comprising:

contacting the single exon microarray in accordance with the second aspect of the invention, with a first collection of detectably labeled nucleic acids, said first collection of nucleic acids derived from mRNA of 15 human heart; and then

measuring the label detectably bound to each probe of said microarray.

In a seventh aspect of the invention, there is provided a method of identifying exons in a eukaryotic 20 genome, comprising:

algorithmically predicting at least one exon from genomic sequence of said eukaryote; and then

detecting specific hybridization of detectably labeled nucleic acids to a single exon probe,

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wherein said detectably labeled nucleic acids are derived from mRNA from the heart of said eukaryote, said probe is a single exon probe having a fragment identical in sequence to, or complementary in sequence to, said predicted exon, said probe is included within a single exon 30 microarray in accordance with the first aspect of the invention, and said fragment is selectively hybridizable at high stringency.

In a eighth aspect of the invention, there is provided a method of assigning exons to a single gene,

comprising:

identifying a plurality of exons from genomic sequence in accordance with the seventh aspect of the invention; and then

measuring the expression of each of said exons in a plurality of tissues and/or cell types using hybridization to single exon microarrays having a probe with said exon,

wherein a common pattern of expression of said
10 exons in said plurality of tissues and/or cell types
indicates that the exons should be assigned to a single
gene.

In an ninth aspect of the invention, there is provided a nucleic acid sequence as set out in any of SEQ

15 ID NOs: 1 - 10,283 wherein said sequence encodes a peptide.

In a tenth aspect of the invention, there is provided a peptide encoded by a sequence comprising a sequence as set out in any of SEQ ID NOs: 5,203 - 10,283, or a complementary sequence or coding portion thereof.

In a preferred embodiment, a peptide may be encoded by a sequence comprising a sequence set out in any of SEQ ID NOS.: 1 -5,202.

In a further aspect, the invention provides peptides comprising an amino acid sequence translated from the DNA fragments, said amino acid sequences comprising SEQ ID NOS.: 10,283 - 15,322.

Accordingly in a eleventh aspect of the invention there is provided a peptide comprising a sequence as set out in any of SEQ ID NOs: 10,284 - 15,322, or fragment thereof.

In another aspect, the invention provides means for displaying annotated sequence, and in particular, for displaying sequence annotated according to the methods and apparatus of the present invention. Further, such display

can be used as a preferred graphical user interface for electronic search, query, and analysis of such annotated sequence.

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# Detailed Description of the Invention

### Definitions

As used herein, the term "microarray" and phrase 10 "nucleic acid microarray" refer to a substrate-bound collection of plural nucleic acids, hybridization to each of the plurality of bound nucleic acids being separately detectable. The substrate can be solid or porous, planar or non-planar, unitary or distributed.

As so defined, the term "microarray" and phrase "nucleic acid microarray" include all the devices so called in Schena (ed.), DNA Microarrays: A Practical Approach (Practical Approach Series), Oxford University Press (1999) (ISBN: 0199637768); Nature Genet. 21(1)(suppl):1 - 60 20 (1999); and Schena (ed.), Microarray Biochip: Tools and Technology, Eaton Publishing Company/BioTechniques Books Division (2000) (ISBN: 1881299376). As so defined, the term "microarray" and phrase "nucleic acid microarray" further include substrate-bound collections of plural 25 nucleic acids in which the nucleic acids are distributably disposed on a plurality of beads, rather than on a unitary planar substrate, as is described, inter alia, in Brenner et al., Proc. Natl. Acad. Sci. USA 97(4):166501670 (2000); in such case, the term "microarray" and phrase "nucleic 30 acid microarray" refer to the plurality of beads in aggregate.

As used herein with respect to a nucleic acid microarray, the term "probe" refers to the nucleic acid that is, or is intended to be, bound to the substrate; in such context, the term "target" thus refers to nucleic acid intended to be bound thereto by Watson-Crick complementarity. As used herein with respect to solution phase hybridization, the term "probe" refers to the nucleic acid of known sequence that is detectably labeled.

As used herein, the expression "probe comprising SEQ ID NO.", and variants thereof, intends a nucleic acid probe, at least a portion of which probe has either (i) the sequence directly as given in the referenced SEQ ID NO., or (ii) a sequence complementary to the sequence as given in the referenced SEQ ID NO., the choice as between sequence directly as given and complement thereof dictated by the requirement that the probe hybridize to mRNA.

As used herein, the term "ORF" refers to a

15 nucleic acid sequence that, in at least one reading frame,
does not possess stop codons; the term does not require
that the ORF encode the entirety of a natural protein. In
the absence of a consensus prediction, all six frames of an
exon are examined for stop codons and the longest ORF is
20 selected.

As used herein, the term "amplicon" refers to a PCR product amplified from human genomic DNA, containing the predicted exon.

As used herein the term "exon" refers to the consensus prediction of the various exon and gene predicting algorithms.

As used herein, the term "peptide" refers to a sequence of amino acids. The sequences referred to as PEPTIDE SEQ ID NOS.: are the predicted peptide sequences that would be translated from one of the exons, or a portion thereof set out in exon SEQ ID NOS.:. The codons encoding the peptide are wholly contained within the exon.

As used herein, a "portions" of a defined nucleotide sequence or sequences can be and, preferably,

are fragments unique to that sequence or to one or a combination of those sequences. A fragment unique to a nucleic acid molecule is one that is a signature for the larger nucleic acid molecule.

As used herein, the phrase "expression of a probe" and its linguistic variants means that the ORF present within the probe, or its complement, is present within a target mRNA.

As used herein, "stringent conditions" refers to
10 parameters well known to those skilled in the art. When a
nucleic acid molecule is said to be hybridisable to another
of a given sequence under "stringent conditions" it is
meant that it is homologous to the given sequence.

As used herein, the phrase "specific binding

15 pair" intends a pair of molecules that bind to one another
with high specificity. Binding pairs are said to exhibit
specific binding when they exhibit avidity of at least 10<sup>7</sup>,
preferably at least 10<sup>8</sup>, more preferably at least 10<sup>9</sup>
liters/mole. Nonlimiting examples of specific binding

20 pairs are: antibody and antigen; biotin and avidin; and
biotin and streptavidin.

As used herein with respect to the visual display of annotated genomic sequence, the term "rectangle" means any geometric shape that has at least a first and a second border, wherein the first and second borders each are capable of mapping uniquely to a point of another visual object of the display.

As used herein, a "Mondrian" means a visual display in which a single genomic sequence is annotated with predicted and experimentally confirmed functional information.

## Brief Description of the Drawings

The present invention is further illustrated with reference to the following non-limiting figures and examples in which:

FIG. 1 illustrates a process for predicting functional regions from genomic sequence, confirming the functional activity of such regions experimentally, and associating and displaying the data so obtained in meaningful and useful relationship to the original sequence data;

FIG. 2 further elaborates that portion of the process schematized in FIG. 1 for predicting functional regions from genomic sequence;

FIG. 3 illustrates a Mondrian visual display;

FIG. 4 presents a Mondrian showing a hypothetical annotated genomic sequence;

FIG. 5 is a histogram showing the distribution of ORF length and PCR products as obtained, with ORF length shown in black and PCR product length shown in dotted
20 lines;

FIG. 6 is a histogram showing the distribution, among exons predicted according to the methods described, of expression as measured using simultaneous two color hybridization to a genome-derived single exon microarray.

The graph shows the number of sequence-verified products that were either not expressed ("0"), expressed in one or more but not all tested tissues ("1" - "9"), or expressed in all tissues tested ("10");

FIG. 7 is a pictorial representation of the

30 expression of verified sequences that showed expression
with signal intensity greater than 3 in at least one
tissue, with: FIG. 7A showing the expression as measured by
microarray hybridization in each of the 10 measured
tissues, and the expression as measured "bioinformatically"

by query of EST, NR and SwissProt databases; with FIG. 7B showing the legend for display of physical expression (ratio) in FIG. 7A; and with FIG. 7C showing the legend for scoring EST hits as depicted in FIG. 7A;

signal intensity for arrayed sequences that were identical to sequences in existing EST, NR and SwissProt databases or that were dissimilar (unknown), where black denotes the signal intensity for all sequence-verified products with a BLAST Expect ("E") value of greater than 1e-30 (1 x 10<sup>-30</sup>) ("unknown") and a dotted line denotes sequence-verified spots with a BLAST expect ("E") value of less than 1e-30 (1 x 10<sup>-30</sup>) ("known");

FIG. 9 presents a Mondrian of BAC AC008172 (bases 25,000 to 130,000), containing the carbamyl phosphate synthetase gene (AF154830.1); and

FIG. 10 is a Mondrian of BAC A049839.

20 Methods and Apparatus for Predicting, Confirming,
Annotating, and Displaying Functional Regions From Genomic
Sequence Data

FIG. 1 is a flow chart illustrating in broad

25 outline a process for predicting functional regions from
genomic sequence, confirming and characterizing the
functional activity of such regions experimentally, and
then associating and displaying the information so obtained
in meaningful and useful relationship to the original

30 sequence data.

The initial input into process 10 of the present invention is drawn from one or more databases 100 containing genomic sequence data. Because genomic sequence is usually obtained from subgenomic fragments, the sequence

data typically will be stored in a series of records corresponding to these subgenomic sequenced fragments. Some fragments will have been catenated to form larger contiguous sequences ("contigs"); others will not. 5 finite percentage of sequence data in the database will typically be erroneous, consisting inter alia of vector sequence, sequence created from aberrant cloning events, sequence of artificial polylinkers, and sequence that was erroneously read.

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Each sequence record in database 100 will minimally contain as annotation a unique sequence identifier (accession number), and will typically be annotated further to identify the date of accession, species of origin, and depositor. Because database 100 can 15 contain nongenomic sequence, each sequence will typically be annotated further to permit query for genomic sequence. Chromosomal origin, optionally with map location, can also be present. Data can be, and over time increasingly will be, further annotated with additional information, in part 20 through use of the present invention, as described below. Annotation can be present within the data records, in information external to database 100 and linked to the records thereto, or through a combination of the two.

Databases useful as genomic sequence database 100 25 in the present invention include GenBank, and particularly include several divisions thereof, including the htgs(draft), NT (nucleotide, command line), and NR (nonredundant) divisions. GenBank is produced by the National Institutes of Health and is maintained by the 30 National Center for Biotechnology Information (NCBI). Databases of genomic sequence from species other than human, such as mouse, rat, Arabidopsis, C. elegans, C. brigsii, Drosophila, zebra fish, and other higher eukaryotic organisms will also prove useful as genomic

sequence database 100.

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Genomic sequence obtained by query of genomic sequence database 100 is then input into one or more processes 200 for identification of regions therein that 5 are predicted to have a biological function as specified by Such functions include, but are not limited to, the user. encoding protein, regulating transcription, regulating message transport after transcription into mRNA, regulating message splicing after transcription into mRNA, of 10 regulating message degradation after transcription into mRNA, and the like. Other functions include directing somatic recombination events, contributing to chromosomal stability or movement, contributing to allelic exclusion or X chromosome inactivation, and the like.

The particular genomic sequence to be input into process 200 will depend upon the function for which relevant sequence is to be identified as well as upon the approach chosen for such identification. Process step 200 can be iterated to identify different functions within a 20 given genomic region. In such case, the input often will be different for the several iterations.

Sequences predicted to have the requisite function by process 200 are then input into process 300, where a subset of the input sequences suitable for 25 experimental confirmation is identified. Experimental confirmation can involve physical and/or bioinformatic assay. Where the subsequent experimental assay is bioinformatic, rather than physical, there are fewer constraints on the sequences that can be tested, and in 30 this latter case therefore process 300 can output the entirety of the input sequence.

The subset of sequences output from process 300 is then used in process 400 for experimental verification and characterization of the function predicted in

process 200, which experimental verification can, and often will, include both physical and bioinformatic assay.

Process 500 annotates the sequence data with the functional information obtained in the physical and/or 5 bioinformatic assays of process 400. Such annotation can be done using any technique that usefully relates the functional information to the sequence, as, for example, by incorporating the functional data into the sequence data record itself, by linking records in a hierarchical or 10 relational database, by linking to external databases, by a combination thereof, or by other means well known within the database arts. The data can even be submitted for incorporation into databases maintained by others, such as GenBank, which is maintained by NCBI.

As further noted in FIG. 1, additional annotation can be input into process 500 from external sources 600.

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The annotated data is then displayed in process 800, either before, concomitantly with, or after optional storage 700 on nontransient media, such as magnetic disk, optical disc, magnetooptical disk, flash memory, or the like.

FIG. 1 shows that the experimental data output from process 400 can be used in each preceding step of process 10: e.g., facilitating identification of functional sequences in process 200, facilitating identification of an experimentally suitable subset thereof in process 300, and facilitating creation of physical and/or informational substrates for, and performance of subsequent assay, of functional sequences in process 400.

Information from each step can be passed directly to the succeeding process, or stored in permanent or interim form prior to passage to the succeeding process.

Often, data will be stored after each, or at least a plurality, of such process steps. Any or all process steps

can be automated.

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FIG. 2 further elaborates the prediction of functional sequence within genomic sequence according to process 200.

Genomic sequence database 100 is first queried 20 for genomic sequence.

The sequence required to be returned by query 20 will depend, in the first instance, upon the function to be identified.

10 For example, genomic sequences that function to encode protein can be identified inter alia using gene prediction approaches, comparative sequence analysis approaches, or combinations of the two. In gene prediction analysis, sequence from one genome is input into process

15 200 where at least one, preferably a plurality, of algorithmic methods are applied to identify putative coding regions. In comparative sequence analysis, by contrast, corresponding, e.g., syntenic, sequence from a plurality of sources, typically a plurality of species, is input into process 200, where at least one, possibly a plurality, of algorithmic methods are applied to compare the sequences and identify regions of least variability.

The exact content of query 20 will also depend upon the database queried. For example, if the database contains both genomic and nongenomic sequence, perhaps derived from multiple species, and the function to be determined is protein coding regions in human genomic sequence, the query will accordingly require that the sequence returned be genomic and derived from humans.

Query 20 can also incorporate criteria that compel return of sequence that meets operative requirements of the subsequent analytical method. Alternatively, or in addition, such operative criteria can be enforced in subsequent preprocess step 24.

For example, if the function sought to be identified is protein coding, query 20 can incorporate criteria that return from genomic sequence database 100 only those sequences present within contigs sufficiently long as to have obviated substantial fragmentation of any given exon among a plurality of separate sequence fragments.

Such criteria can, for example, consist of a required minimal individual genomic sequence fragment

10 length, such as 10 kb, more typically 20 kb, 30 kb, 40kb, and preferably 50 kb or more, as well as an optional further or alternative requirement that sequence from any given clone, such as a bacterial artificial chromosome ("BAC"), be presented in no more than a finite maximal number of fragments, such as no more than 20 separate pieces, more typically no more than 15 fragments, even more typically no more than about 10 - 12 fragments.

Results using the present invention have shown that genomic sequence from bacterial artificial chromosomes (BACs) is sufficient for gene prediction analysis according to the present invention if the sequence is at least 50 kb in length, and if additionally the sequence from any given BAC is presented in fewer than 15, and preferably fewer than 10, fragments. Accordingly, query 20 can incorporate a requirement that data accessioned from BAC sequencing be in fewer than 15, preferably fewer than 10, fragments.

An additional criterion that can be incorporated into the query can be the date, or range of dates, of sequence accession. Although the process has been

30 described above as if genomic sequence database 100 were static, it is of course understood that the genomic sequence databases need not be static, and indeed are typically updated on a frequent, even hourly, basis. Thus, as further described in Examples 1 and 2, infra, it is

possible to query the database for newly added sequence, either newly added after an absolute date, or newly added relative to a prior analysis performed using the methods and apparatus of the present invention. In this way, the process herein described can incorporate a dynamic, temporal component.

One utility of such temporal limitation is to identify, from newly accessioned genomic sequence, the presence of novel genes, particularly those not previously identified by EST sequencing (or other sequencing efforts that are similarly based upon gene expression). As further described in Example 1, such an approach has shown that newly accessioned human genomic sequence, when analyzed for sequences that function to encode protein, readily identifies genes that are novel over those in existing EST and other expression databases. This makes the methods of the present invention extremely powerful gene discovery tools. And as would be appreciated, such gene discovery can be performed using genomic sequence from species other than human.

If query 20 incorporates multiple criteria, such as above-described, the multiple criteria can be performed as a series of separate queries or as a single query, depending in part upon the query language, the complexity of the query, and other considerations well known in the database arts.

If query 20 returns no genomic sequence meeting the query criteria, the negative result can be reported by process 22, and process 200 (and indeed, entire process 10) ended 23, as shown. Alternatively, or in addition to report and termination of the initial inquiry, a new query 20 can be generated that takes into account the initial negative result.

When query 20 returns sequence meeting the query

criteria, the returned sequence is then passed to optional preprocessing 24, suitable and specific for the desired analytical approach and the particular analytical methods thereof to be used in process 25.

Preprocessing 24 can include processes suitable for many approaches and methods thereof, as well as processes specifically suited for the intended subsequent analysis.

Preprocessing 24 suitable for most approaches and 10 methods will include elimination of sequence irrelevant to. or that would interfere with, the subsequent analysis. Such sequence includes repetitive sequence, such as Alu repeats and LINE elements, vector sequence, artificial sequence, such as artificial polylinkers, and the like. 15 Such removal can readily be performed by identification and

subsequent masking of the undesired sequence.

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Identification can be effected by comparing the genomic sequence returned by query 20 with public or private databases containing known repetitive sequence, 20 vector sequence, artificial sequence, and other artifactual sequence. Such comparison can readily be done using programs well known in the art, such as CROSS MATCH, or by proprietary sequence comparison programs the engineering of which is well within the skill in the art.

Alternatively, or in addition, undesirable, including artifactual, sequence can be identified algorithmically without comparison to external databases and thereafter removed. For example, synthetic polylinker sequence can be identified by an algorithm that identifies 30 a significantly higher than average density of known restriction sites. As another example, vector sequence can be identified by algorithms that identify nucleotide or codon usage at variance with that of the bulk of the genomic sequence.

Once identified, undesired sequence can be removed. Removal can usefully be done by masking the undesired sequence as, for example, by converting the specific nucleotide references to one that is unrecognized by the subsequent bioinformatic algorithms, such as "X". Alternatively, but at present less preferred, the undesired sequence can be excised from the returned genomic sequence, leaving gaps.

Preprocessing 24 can further include selection

from among duplicative sequences of that one sequence of highest quality. Higher quality can be measured as a lower percentage of, fewest number of, or least densely clustered occurrence of ambiguous nucleotides, defined as those nucleotides that are identified in the genomic sequence using symbols indicating ambiguity. Higher quality can also or alternatively be valued by presence in the longest contig.

Preprocessing 24 can, and often will, also include formatting of the data as specifically appropriate for passage to the analytical algorithms of process 25. Such formatting can and typically will include, inter alia, addition of a unique sequence identifier, either derived from the original accession number in genomic sequence database 100, or newly applied, and can further include additional annotation. Formatting can include conversion from one to another sequence listing standard, such as conversion to or from FASTA or the like, depending upon the input expected by the subsequent process.

Preprocessing, which can be optional depending
upon the function desired to be identified and the
informational requirements of the methods for effecting
such identification, is followed by sequence processing 25,
where sequences with the desired function are identified
within the genomic sequence.

As mentioned above, such functions can include, but are not limited to, encoding protein, regulating transcription, regulating message transport after transcription into mRNA, regulating message splicing after 5 transcription, of regulating message degradation, and the Other functions include directing somatic recombination events, contributing to chromosomal stability or movement, contributing to allelic exclusion or X chromosome inactivation, or the like.

The methods of the present invention are particularly useful for gene discovery, that is, for identifying, from genomic sequence, regions that function to encode genes, and in a particularly useful embodiment, for identifying regions that function to encode genes not 15 hitherto identified by expression-based or directed cloning and sequencing. In conjunction with verification using the novel single exon microarrays of the present invention, as further described below, the methods herein described become powerful gene discovery tools.

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Accordingly, in a preferred embodiment of the present invention, process 25 is used to identify putative coding regions. Two preferred approaches in process 25 for identifying sequence that encodes putative genes are gene prediction and comparative sequence analysis.

Gene prediction can be performed using any of a number of algorithmic methods, embodied in one or more software programs, that identify open reading frames (ORFs) using a variety of heuristics, such as GRAIL, DICTION, and GENEFINDER. Comparative sequence analysis similarly can be 30 performed using any of a variety of known programs that identify regions with lower sequence variability.

As further described in Example 1, below, gene finding software programs yield a range of results. For the newly accessioned human genomic sequence input in

Example 1, for example, GRAIL identified the greatest percentage of genomic sequence as putative coding region, 2% of the data analyzed; GENEFINDER was second, calling 1%; and DICTION yielded the least putative coding region, with 5 0.8% of genomic sequence called as coding region.

Increased reliability can be obtained when consensus is required among several such methods. Although discussed herein particularly with respect to exon calling, consensus among methods will in general increase 10 reliability of predicting other functions as well.

Thus, as indicated by query 26, sequence processing 25, optionally with preprocessing 24, can be repeated with a different method, with consensus among such iterations determined and reported in process 27.

Process 27 compares the several outputs for a given input genomic sequence and identifies consensus among the separately reported results. The consensus itself, as well as the sequence meeting that consensus, is then stored in process 29a, displayed in process 29b, and/or output to 20 process 300 for subsequent identification of a subset thereof suitable for assay.

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Multiple levels of consensus can be calculated and reported by process 27. For example, as further described in Example 1, infra, process 27 can report 25 consensus as between all specific pairs of methods of gene prediction, as consensus among any one or more of the pairs of methods of gene prediction, or as among all of the gene prediction algorithms used. Thus, in Example 1, process 27 reported that GRAIL and GENEFINDER programs agreed on 0.7% 30 of genomic sequence, that GRAIL and DICTION agreed on 0.5% of genomic sequence, and that the three programs together agreed on 0.25% of the data analyzed. Put another way, 0.25% of the genomic sequence was identified by all three of the programs as containing putative coding region.

Furthermore, consensus can be required among different approaches to identifying a chosen function.

For example, if the function desired to be identified is coding of protein sequence, and a first used approach to exon calling is gene prediction, the process can be repeated on the same input sequence, or subset thereof, with another approach, such as comparative sequence analysis. In such a case, where comparative sequence analysis follows gene prediction, the comparison can be performed not only on genomic nucleic acid sequence, but additionally or alternatively can be performed on the predicted amino acid sequence translated from the ORFs prior identified by the gene prediction approach.

Although shown as an iterative process, the

15 multiple analyses required to achieve consensus can be done
in series, in parallel, or some combination thereof.

Predicted functional sequence, optionally representing a consensus among a plurality of methods and approaches for determination thereof, is passed to process 300 for identification of a subset thereof for functional assay.

In the preferred embodiment of the methods of the present invention, wherein the function sought to be identified is protein coding, process 300 is used to

25 identify a subset thereof suitable for experimental verification by physical and/or bioinformatic approaches.

For example, putative ORFs identified in process 200 can be classified, or binned, bioinformatically into putative genes. This binning can be based inter alia upon consideration of the average number of exons/gene in the species chosen for analysis, upon density of exons that have been called on the genomic sequence, and other empirical rules. Thereafter, one or more among the genespecific ORFs can be chosen for subsequent use in gene

expression assay.

Where such subsequent gene expression assay uses amplified nucleic acid, considerations such as desired amplicon length, primer synthesis requirements, putative 5 exon length, sequence GC content, existence of possible secondary structure, and the like can be used to identify and select those ORFs that appear most likely successfully to amplify. Where subsequent gene expression assay relies upon nucleic acid hybridization, whether or not using 10 amplified product, further considerations involving hybridization stringency can be applied to identify that subset of sequences that will most readily permit sequencespecific discrimination at a chosen hybridization and wash stringency. One particular such consideration is avoidance 15 of putative exons that span repetitive sequence; such sequence can hybridize spuriously to nonspecific message, reducing specific signal in the hybridization.

For bioinformatic assay, there are fewer constraints on the sequences that can be tested
20 experimentally, and in this latter case therefore process
300 can output the entirety of the input sequence.

The subset of sequences identified by process 300 as suitable for use in assay is then used in process 400 to create the physical and/or informational substrate for experimental verification of the predictions made in process 200, and thereafter to assay those substrates.

As mentioned, the methods of the present invention are particularly useful for identifying potential coding regions within genomic sequence. In a preferred embodiment of process 400, therefore, the expression of the sequences predicted to encode protein is verified. The combination of the predictive and experimental methods provides a powerful gene discovery engine.

Thus, in another aspect, the present invention

provides methods and apparatus for verifying the expression of putative genes identified within genomic sequence. In particular, the invention provides a novel method of verifying gene expression in which expression of predicted ORFs is measured and confirmed using a novel type of nucleic acid microarray, the genome-derived single exon nucleic acid microarrays of the present invention.

Putative ORFs as predicted by a consensus of gene calling, particularly gene prediction, algorithms in process 200, and as further identified as suitable by process 300, are amplified from genomic DNA using the polymerase chain reaction (PCR). Although PCR is conveniently used, other amplification approaches can also be used.

15 Amplification schemes can be designed to capture the entirety of each predicted ORF in an amplicon with minimal additional (that is, intronic or intergenic) sequence. Because ORFs predicted from human genomic sequence using the methods of the present invention differ in length, such an approach results in amplicons of varying length.

However, most predicted ORFs are shorter than 500 bp in length, and although amplicons of at least about 100 or 200 base pairs can be immobilized as probes on nucleic acid microarrays, early experimental results using the methods of the present invention have suggested that longer amplicons, at least about 400 or 500 base pairs, are more effective. Furthermore, certain advantages derive from application to the microarray of amplicons of defined size.

Therefore, amplification schemes can alternatively, and preferably, be designed to amplify regions of defined size, preferably at least about 300, 400 or 500 bp, centered about each predicted ORF. Such an approach results in a population of amplicons of limited

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size diversity, but that typically contain intronic and/or intergenic nucleic acid in addition to putative ORF.

Conversely, somewhat fewer than 10% of ORFs predicted from human genomic sequence according to the methods of the present invention exceed 500 bp in length. Portions of such extended ORFs, preferably at least about 300,400 or 500 bp in length, can be amplified. However, it has been discovered that the percentage success at amplifying pieces of such ORFs is low, and that such putative exons are more effectively amplified when larger fragments, at least about 1000 or 1500 bp, and even as large as 2000 bp are amplified.

The putative ORFs selected in process 300 are thus input into one or more primer design programs, such as PRIMER3 (available online for use at http://www-genome.wi.mit.edu/cgi-bin/primer/), with a goal of amplifying at least about 500 base pairs of genomic sequence centered within or about ORFs predicted to be no more than about 500 bp, or at least about 1000 - 1500 bp of genomic sequence for ORFs predicted to exceed 500 bp in length, and the primers synthesized by standard techniques. Primers with the requisite sequences can be purchased commercially or synthesized by standard techniques.

De added commonly to the ORF-specific 5' primer and a second, typically different, predetermined sequence commonly added to each 3' ORF-unique primer. This serves to immortalize the amplicon, that is, serves to permit further amplification of any amplicon using a single set of primers complementary respectively to the common 5' and common 3' sequence elements. The presence of these "universal" priming sequences further facilitates later sequence verification, providing a sequence common to all amplicons at which to prime sequencing reactions. The

common 5' and 3' sequences further serve to add a cloning site should any of the ORFs warrant further study.

Such predetermined sequence is usefully at least about 10, 12 or 15 nt in length, and usually does not exceed about 25 nt in length. The "universal" priming sequences used in the examples presented infra were each 16 nt long.

The genomic DNA to be used as substrate for amplification will come from the eukaryotic species from which the genomic sequence data had originally been obtained, or a closely related species, and can conveniently be prepared by well known techniques from somatic or germline tissue or cultured cells of the organism. See, e.g., Short Protocols in Molecular Biology 15 : A Compendium of Methods from Current Protocols in Molecular Biology, Ausubel et al. (eds.), 4th edition (April 1999), John Wiley & Sons (ISBN: 047132938X) and Maniatis et al., Molecular Cloning : A Laboratory Manual, 2<sup>nd</sup> edition (December 1989), Cold Spring Harbor Laboratory 20 Press (ISBN: 0879693096). Many such prepared genomic DNAs are available commercially, with the human genomic DNAs additionally having certification of donor informed consent.

Although the intronic and intergenic material

25 flanking putative coding regions in the amplicons could
potentially interfere with hybridizations during microarray
experiments, we have found, surprisingly, that differential
expression ratios are not significantly affected. Rather,
the predominant effect of exon size is to alter the

30 absolute signal intensity, rather than its ratio. Equally
surprising, the art had suggested that single exon probes
would not provide sufficient signal intensity for high
stringency hybridization analyses; we find that such probes
not only provide adequate signal, but have substantial

advantages, as herein described.

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After partial purification, as by size exclusion spin column, with or without confirmation as to amplicon quality as by gel electrophoresis, each amplicon (single 5 exon probe) is disposed in an array upon a support substrate.

Methods for creating microarrays by deposition and fixation of nucleic acids onto support substrates are well known in the art (Reviewed by Schena et al., see 10 above).

Typically, the support substrate will be glass, although other materials, such as amorphous or crystalline silicon or plastics. Such plastics include polymethylacrylic, polyethylene, polypropylene, 15 polyacrylate, polymethylmethacrylate, polyvinylchloride, polytetrafluoroethylene, polystyrene, polycarbonate, polyacetal, polysulfone, celluloseacetate, cellulosenitrate, nitrocellulose, or mixtures thereof, can also be used. Typically, the support will be rectangular, 20 although other shapes, particularly circular disks and even spheres, present certain advantages. Particularly advantageous alternatives to glass slides as support substrates for array of nucleic acids are optical discs, as described in WO 98/12559.

The amplified nucleic acids can be attached covalently to a surface of the support substrate or, more typically, applied to a derivatized surface in a chaotropic agent that facilitates denaturation and adherence by presumed noncovalent interactions, or some combination 30 thereof.

Robotic spotting devices useful for arraying nucleic acids on support substrates can be constructed using public domain specifications (The MGuide, version 2.0, http://cmgm.stanford.edu/pbrown/mguide/index.html), or

can conveniently be purchased from commercial sources (MicroArray GenII Spotter and MicroArray GenIII Spotter, Molecular Dynamics, Inc., Sunnyvale, CA). Spotting can also be effected by printing methods, including those using 5 ink jet technology.

As is well known in the art, microarrays typically also contain immobilized control nucleic acids. For controls useful in providing measurements of background signal for the genome-derived single exon microarrays of 10 the present invention, a plurality of E. coli genes can readily be used. As further described in Example 1, 16 or 32 E. coli genes suffice to provide a robust measure of background noise in such microarrays.

As is well known in the art, the amplified 15 product disposed in arrays on a support substrate to create a nucleic acid microarray can consist entirely of natural nucleotides linked by phosphodiester bonds, or alternatively can include either nonnative nucleotides, alternative internucleotide linkages, or both, so long as 20 complementary binding can be obtained in the hybridization. If enzymatic amplification is used to produce the immobilized probes, the amplifying enzyme will impose certain further constraints upon the types of nucleic acid analogs that can be generated.

Although particularly described herein as using high density microarrays constructed on planar substrates, the methods of the present invention for confirming the expression of ORFs predicted from genomic sequence can use any of the known types of microarrays, as herein defined, 30 including lower density planar arrays, and microarrays on nonplanar, nonunitary, distributed substrates.

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For example, gene expression can be confirmed using hybridization to lower density arrays, such as those constructed on membranes, such as nitrocellulose, nylon,

and positively-charged derivatized nylon membranes. Further, gene expression can also be confirmed using nonplanar, bead-based microarrays such as are described in Brenner et al., Proc. Natl. Acad. Sci. USA 97(4):166501670 5 (2000); U.S. Patent No. 6,057,107; and U.S. Patent No. In theory, a packed collection of such beads 5,736,330. provides in aggregate a higher density of nucleic acid probe than can be achieved with spotting or lithography techniques on a single planar substrate.

Planar microarrays on solid substrates, however, provide certain useful advantages, including high throughput and compatibility with existing readers. example, each standard microscope slide can include at least 1000, typically at least 2000, preferably 5000 and 15 upto 10,000 - 50,000 or more nucleic acid probes of discrete sequence. The number of sequences deposited will depend on their required application.

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Each putative gene can be represented in the array by a single predicted ORF. Alternatively, genes can 20 be represented by more than one predicted ORF. For purposes of measuring differential splicing, more than one predicted ORF will be provided for a putative gene. is well known in the art, each probe of defined sequence, representing a single predicted ORF, can be deposited in a 25 plurality of locations on a single microarray to provide redundancy of signal.

The genome-derived single exon microarrays described above differ in several fundamental and advantageous ways from microarrays presently used in the 30 gene expression art, including (1) those created by deposition of mRNA-derived nucleic acids, (2) those created by in situ synthesis of oligonucleotide probes, and (3) those constructed from yeast genomic DNA.

Most nucleic acid microarrays that are in use for

study of eukaryotic gene expression have as immobilized probes nucleic acids that are derived - either directly or indirectly - from expressed message. As discussed above, it is common, for example, for such microarrays to be 5 derived from cDNA/EST libraries, either from those previously described in the literature, see Lennon et al., or from the de novo construction of "problem specific" libraries targeted at a particular biological question, R.S. Thomas et al., Cancer Res. (in press). 10 microarrays are herein collectively denominated "EST microarrays".

Such EST microarrays by definition can measure expression only of those genes found in EST libraries, shown herein to represent only a fraction of expressed 15 genes. Furthermore, such libraries - and thus microarrays based thereupon - are biased by the tissue or cell type of message origin, by the expression levels of the respective genes within the tissues, and by the ability of the message successfully to have been reverse-transcribed and cloned.

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Thus, as further discussed in Example 1, the methods of the present invention enable sequences that do not appear in EST or other expression databases to be determined - subsequently arrayed for expression measurements could not, therefore, have been represented as 25 probes on an EST microarray. And as further demonstrated in the examples, infra, the remaining population of genes identified from genomic sequence by the methods of the present invention - that is, the one third of sequences that had previously been accessioned in EST or other 30 expression databases - are biased toward genes with higher expression levels.

Representation of a message in an EST and/or cDNA library depends upon the successful reverse transcription, optionally but typically with subsequent successful

This introduces substantial bias cloning, of the message. into the population of probes available for arraying in EST microarrays.

In contrast, neither reverse transcription nor 5 cloning is required to produce the probes arrayed on the genome-derived single exon microarrays of the present invention. And although the ultimate deposition of a probe on the genome-derived single exon microarray of the present invention depends upon a successful amplification from 10 genomic material, a priori knowledge of the sequence of the desired amplicon affords greater opportunity to recover any given probe sequence recalcitrant to amplification than is afforded by the requirement for successful reverse transcription and cloning of unknown message in EST 15 approaches.

Thus, the genome-derived single exon microarrays of the present invention present a far greater diversity of probes for measuring gene expression, with far less bias, than do EST microarrays presently used in the art.

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As a further consequence of their ultimate origin from expressed message, the probes in EST microarrays often contain poly-A (or complementary poly-T) stretches derived from the poly-A tail of mature mRNA. These homopolymeric stretches contribute to cross-hybridization, that is, to a 25 spurious signal occasioned by hybridization to the homopolymeric tail of a labeled cDNA that lacks sequence homology to the gene-specific portion of the probe.

In contrast, the probes arrayed in the genomederived single exon microarrays of the present invention 30 lack homopolymeric stretches derived from message polyadenylation, and thus can provide more specific signal. Typically, at least about 50, 60 or 75% of the probes on the genome-derived single exon microarrays of the present invention lack homopolymeric regions consisting of A or T,

where a homopolymeric region is defined for purposes herein as stretches of 25 or more, typically 30 or more, identical nucleotides.

A further distinction, which also affects the

5 specificity of hybridization, is occasioned by the typical
derivation of EST microarray probes from cloned material.
Because much of the probe material disposed as probes on
EST microarrays is excised or amplified from plasmid,
phage, or phagemid vectors, EST microarrays typically
10 include a fair amount of vector sequence, more so when the
probes are amplified, rather than excised, from the vector.

In contrast, the vast majority of probes in the genome-derived single exon microarrays of the present invention contain no prokaryotic or bacteriophage vector 15 sequence, having been amplified directly or indirectly from genomic DNA. Typically, therefore, at least about 50, 60, 70 or 80% or more of individual exon-including probes disposed on a genome-derived single exon microarray of the present invention lack vector sequence, and particularly 20 lack sequences drawn from plasmids and bacteriophage. Preferably, at least about 85, 90 or more than 90% of exonincluding probes in the genome-derived single exon microarray of the present invention lack vector sequence. With attention to removal of vector sequences through 25 preprocessing 24, percentages of vector-free exon-including probes can be as high as 95 - 99%. The substantial absence of vector sequence from the genome-derived single exon microarrays of the present invention results in greater specificity during hybridization, since spurious cross-30 hybridization to a probe vector sequence is reduced.

As a further consequence of excision or amplification of probes from vectors in construction of EST microarrays, the probes arrayed thereon often contain artificial sequence, derived from vector polylinker

multiple cloning sites, at both 5' and 3' ends. The probes disposed upon the genome-derived single exon microarrays need have no such artificial sequence appended thereto.

As mentioned above, however, the ORF-specific

primers used to amplify putative ORFs can include
artificial sequences, typically 5' to the ORF-specific
primer sequence, useful for "universal" (that is,
independent of ORF sequence) priming of subsequent
amplification or sequencing reactions. When such

"universal" 5' and/or 3' priming sequences are appended to
the amplification primers, the probes disposed upon the
genome-derived single exon microarray will include
artificial sequence similar to that found in EST
microarrays. However, the genome-derived single exon

15 microarray of the present invention can be made without
such sequences, and if so constructed, presents an even
smaller amount of nonspecific sequence that would
contribute to nonspecific hybridization.

20 material as probes in EST microarrays is that such microarrays contain probes that result from cloning artifacts, such as chimeric molecules containing coding region of two separate genes. Derived from genomic material, typically not thereafter cloned, the probes of the genome-derived single exon microarrays of the present invention lack such cloning artifacts, and thus provide greater specificity of signal in gene expression measurements.

A further consequence of the cloned origin of
probes on many EST microarrays is that the individual
probes often have disparate sizes, which can cause the
optimal hybridization stringency to vary among probes on a
single microarray. In contrast, as discussed above, the
probes arrayed on the genome-derived single exon

microarrays of the present invention can readily be designed to have a narrow distribution in sizes, with the range of probe sizes no greater than about 10% of the average size, typically no greater than about 5% of the 5 average probe size.

Because of their origin from fully- or partiallyspliced message, probes disposed upon EST arrays will often include multiple exons. The percentage of such exonspanning probes in an EST microarray can be calculated, on 10 average, based upon the predicted number of exons/gene for the given species and the average length of the immobilized probes. For human genes, the near-complete sequence of human chromosome 22, Dunham et al., Nature 402(6761):489-95 (1999), predicts that human genes average 5.5 exons/gene.

15 Even with probes of 200 - 500 bp, the vast majority of human EST microarray probes include more than one exon.

In contrast, by virtue of their origin from algorithmically identified ORFs in genomic sequence, the probes in the genome-derived single exon microarrays of the 20 present invention can consist of individual exons. in contrast to EST microarrays, at least about 50, 60, 70, 75, 80, 85, 95 or 99% of probes deposited in the genomederived microarray of the present invention consist of, or include, no more than one predicted ORF.

This provides the ability, not readily achieved using EST microarrays, to use the genome-derived single exon microarrays of the present invention to measure tissue-specific expression of individual exons, which in turn allows differential splicing events to be detected and 30 characterized, and in particular, allows the correlation of differential splicing to tissue-specific expression patterns.

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Furthermore, the exons that are represented in EST microarrays are often biased toward the 3' or 5' end of their respective genes, since sequencing strategies used for EST identification are so biased. In contrast, no such 3' or 5' bias necessarily inheres in the selection of exons for disposition on the genome-derived single exon microarrays of the present invention.

Conversely, the probes provided on the genomederived single exon microarrays of the present invention
typically, but need not necessarily, include intronic
and/or intergenic sequence that is absent from EST

microarrays, which are derived from mature mRNA.
Typically, at least about 50, 60, 70, 80 or 90% of the
exon-including probes on the genome-derived single exon
microarrays of the present invention include sequence drawn
from noncoding regions. As discussed above, the additional
presence of noncoding region does not significantly
interfere with measurement of gene expression, and provides
the additional opportunity to assay prespliced RNA, and
thus measure such phenomena such as nuclear export control.

The genome-derived single exon microarrays of the
present invention are also quite different from in situ
synthesis microarrays, where probe size is severely
constrained by inadequacies in the photolithographic
synthesis process.

Typically, probes arrayed on in situ synthesis

25 microarrays are limited to a maximum of about 25 bp. As a
well known consequence, hybridization to such chips must be
performed at low stringency. In order, therefore, to
achieve unambiguous sequence-specific hybridization
results, the in situ synthesis microarray requires
30 substantial redundancy, with concomitant programmed
arraying for each probe of probe analogues with altered
(i.e., mismatched) sequence.

In contrast, the longer probe length of the genome-derived single exon microarrays of the present

invention allows much higher stringency hybridization and Typically, therefore, exon-including probes on the wash. genome-derived single exon microarrays of the present invention average at least about 100, 200, 300, 400 or 5 500 bp in length. By obviating the need for substantial probe redundancy, this approach permits a higher density of probes for discrete exons or genes to be arrayed on the microarrays of the present invention than can be achieved for in situ synthesis microarrays.

A further distinction is that the probes in in situ synthesis microarrays typically are covalently linked to the substrate surface. In contrast, the probes disposed on the genome-derived microarray of the present invention typically are, but need not necessarily be, bound 15 noncovalently to the substrate.

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Furthermore, the short probe size on in situ microarrays causes large percentage differences in the melting temperature of probes hybridized to their complementary target sequence, and thus causes large 20 percentage differences in the theoretically optimum stringency across the array as a whole.

In contrast, the larger probe size in the microarrays of the present invention create lower percentage differences in melting temperature across the 25 range of arrayed probes.

A further significant advantage of the microarrays of the present invention over in situ synthesized arrays is that the quality of each individual probe can be confirmed before deposition. In contrast, the 30 quality of probes cannot be assessed on a probe-by-probe basis for the in situ synthesized microarrays presently being used.

The genome-derived single exon microarrays of the present invention are also distinguished over, and present

substantial benefits over, the genome-derived microarrays from lower eukaryotes such as yeast. Lashkari et al., Proc. Natl. Acad. Sci. USA 94:13057-13062 (1997).

Only about 220 - 250 of the 6100 or so nuclear

genes in Saccharomyces cerevisiae - that is, only about 4
- 5% - have standard, spliceosomal, introns, Lopez et al.,
Nucl. Acids Res. 28:85-86 (2000); Spingola et al., RNA
5(2):221-34 (1999). Furthermore, the entire yeast genome
has already been sequenced. These two facts permit the
ready amplification and disposition of single-ORF amplicons
on such microarray without the requirement for antecedent
use of gene prediction and/or comparative sequence
analyses.

Thus, a significant aspect of the present
invention is the ability to identify and to confirm
expression of predicted coding regions in genomic sequence
drawn from eukaryotic organisms that have a higher
percentage of genes having introns than do yeast such as
Saccharomyces cerevisiae, particularly in genomic sequence
drawn from eukaryotes in which at least about 10, 20 or 50%
of protein-encoding genes have introns. In preferred
embodiments, the methods and apparatus of the present
invention are used to identify and confirm expression of
novel genes from genomic sequence of eukaryotes in which
the average number of introns per gene is at least about
one, two or three or more.

After the physical substrate is prepared, experimental verification of predicted function is performed.

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In a preferred embodiment of the present invention, where the function sought to be identified in genomic sequence is protein coding, experimental verification is performed by measuring expression of the putative ORFs, typically through nucleic acid hybridization

experiments, and in particularly preferred embodiments, through hybridization to genome-derived single exon microarrays prepared as above-described.

Expression is conveniently measured and expressed for each probe in the microarray as a ratio of the expression measured concurrently in a plurality of mRNA sources, according to techniques well known in the microarray art, Reviewed in Schena et al., and as further described in Example 2, below. The mRNA source for the reference against which specific expression is measured can be drawn from a homogeneous mRNA source, such as a single cultured cell-type, or alternatively can be heterogeneous, as from a pool of mRNA derived from multiple tissues and/or cell types, as further described in Example 2, infra.

mRNA can be prepared by standard techniques, see 15 Ausubel et al. and Maniatis et al., or purchased commercially. The mRNA is then typically reversetranscribed in the presence of labeled nucleotides: the index source (that in which expression is desired to be 20 measured) is reverse transcribed in the presence of nucleotides labeled with a first label, typically a fluorophore (fluorochrome; fluor; fluorescent dye); the reference source is reverse transcribed in the presence of a second label, typically a fluorophore, typically 25 fluorometrically-distinguishable from the first label. As further described in Example 2, infra, Cy3 and Cy5 dyes prove particularly useful in these methods. After partial purification of the index and reference targets, hybridization to the probe array is conducted according to 30 standard techniques, typically under a coverslip.

After wash, microarrays are conveniently scanned using a commercial microarray scanning device, such as a Gen3 Scanner (Molecular Dynamics, Sunnyvale, CA). Data on expression is then passed, with or without interim storage,

to process 500, where the results for each probe are related to the original sequence.

Often, hybridization of target material to the genome-derived single exon microarray will identify certain of the probes thereon as of particular interest. Thus, it is often desirable that the user be able readily to obtain sufficient quantities of an individual probe, either for subsequent arrayed deposition upon an additional support substrate, often as part of a microarray having a plurality of probes so identified, or alternatively or additionally as a solitary solid-phase or solution-phase probe, for further use.

Thus, in another aspect, the present invention provides compositions and kits for the ready production of nucleic acids identical in sequence to, or substantially identical in sequence to, probes on the genome-derived single exon microarrays of the present invention.

In this aspect, a small quantity of each probe is disposed, typically without attachment to substrate, in a spatially-addressable ordered set, typically one per well of a microtiter dish. Although a 96 well microtiter plate can be used, greater efficiency is obtained using higher density arrays, such as are provided by microtiter plates having 384, 864, 1536, 3456, 6144, or 9600 wells, and although microtiter plates having physical depressions (wells) are conveniently used, any device that permits addressable withdrawal of reagent from fluidly-noncommunicating areas can be used.

In this aspect of the invention, therefore, a

fluidly noncommunicating addressable ordered set of
individual probes, corresponding to those on a genomederived single exon microarray, is provided, with each
probe in sufficient quantity to permit amplification, such
as by PCR. As earlier mentioned, the ORF-specific

5' primers used for genomic amplification can have a first common sequence added thereto, and the ORF-specific 3' primers used for genomic amplification can have a second, different, common sequence added thereto, thus permitting, 5 in this preferred embodiment, the use of a single set of 5' and 3' primers to amplify any one of the probes from the amplifiable ordered set.

Each discrete amplifiable probe can also be packaged with amplification primers, solutes, buffers, 10 etc., and can be provided in dry (e.g., lyophilized) form or wet, in the latter case typically with addition of agents that retard evaporation.

In another aspect of the present invention, a genome-derived single-exon microarray is packaged together 15 with such an ordered set of amplifiable probes corresponding to the probes, or one or more subsets of probes, thereon. In alternative embodiments, the ordered set of amplifiable probes is packaged separately from the genome-derived single exon microarray.

In some embodiments, the microarray and/or ordered probe set are further packaged with recordable media that provide probe identification and addressing information, and that can additionally contain annotation information, such as gene expression data. Such recordable 25 media can be packaged with the microarray, with the ordered probe set, or with both.

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If the microarray is constructed on a substrate that incorporates recordable media, such as is described in international patent application no. WO 98/12559, then 30 separate packaging of the genome-derived single exon microarray and the bioinformatic information is not required.

The amount of amplifiable probe material should be sufficient to permit at least one amplification

sufficient for subsequent hybridization assay.

Although the use of high density genome-derived microarrays on solid planar substrates is presently a preferred approach for the physical confirmation and characterization of the expression of sequences predicted to encode protein, other types of microarrays (as herein defined) can also be used.

Furthermore, as earlier mentioned, experimental verification of the function predicted from genomic sequence in process 200 can be bioinformatic, rather than, or additional to, physical verification.

For example, where the function desired to be identified is protein coding, the predicted ORFs can be compared bioinformatically to sequences known or suspected of being expressed.

Thus, the sequences output from process 300 (or process 200), can be used to query expression databases, such as EST databases, SNP ("single nucleotide polymorphism") databases, known cDNA and mRNA sequences, SAGE ("serial analysis of gene expression") databases, and more generalized sequence databases that allow query for expressed sequences. Such query can be done by any sequence query algorithm, such as BLAST ("basic local alignment search tool"). The results of such query — including information on identical sequences and information on nonidentical sequences that have diffuse or focal regions of sequence homology to the query sequence — can then be passed directly to process 500, or used to inform analyses subsequently undertaken in process 200,

Experimental data, whether obtained by physical or bioinformatic assay in process 400, is passed to process 500 where it is usefully related to the sequence data itself, a process colloquially termed "annotation". Such

annotation can be done using any technique that usefully relates the functional information to the sequence, as, for example, by incorporating the functional data into the record itself, by linking records in a hierarchical or relational database, by linking to external databases, or by a combination thereof. Such database techniques are well within the skill in the art.

The annotated sequence data can be stored locally, uploaded to genomic sequence database 100, and/or displayed 800.

The methods and apparatus of the present invention rapidly produce functional information from genomic sequence. Coupled with the escalating pace at which sequence now accumulates, the rapid pace of sequence annotation produces a need for methods of displaying the information in meaningful ways.

FIG. 3 shows visual display 80 presenting a single genomic sequence annotated according to the present invention. Because of its nominal resemblance to artistic works of Piet Mondrian, visual display 80 is alternatively described herein as a "Mondrian".

Each of the visual elements of display 80 is aligned with respect to the genomic sequence being annotated (hereinafter, the "annotated sequence"). Given the number of nucleotides typically represented in an annotated sequence, representation of individual nucleotides would rarely be readable in hard copy output of display 80. Typically, therefore, the annotated sequence is schematized as rectangle 89, extending from the left border of display 80 to its right border. By convention herein, the left border of rectangle 89 represents the first nucleotide of the sequence and the right border of rectangle 89 represents the last nucleotide of the sequence.

As further discussed below, however, the Mondrian visual display of annotated sequence can serve as a convenient graphical user interface for computerized representation, analysis, and query of information stored electronically. For such use, the individual nucleotides can conveniently be linked to the X axis coordinate of rectangle 89. This permits the annotated sequence at any point within rectangle 89 readily to be viewed, either automatically — for example, by time-delayed appearance of a small overlaid window upon movement of a cursor or other pointer over rectangle 89 — or through user intervention, as by clicking a mouse or other pointing device at a point in rectangle 89.

Visual display 80 is generated after user 15 specification of the genomic sequence to be displayed. Such specification can consist of or include an accession number for a single clone (e.g., a single BAC accessioned into GenBank), wherein the starting and stopping nucleotides are thus absolutely identified, or 20 alternatively can consist of or include an anchor or fulcrum point about which a chosen range of sequence is anchored, thus providing relative endpoints for the sequence to be displayed. For example, the user can anchor such a range about a given chromosomal map location, gene 25 name, or even a sequence returned by query for similarity or identity to an input query sequence. When visual display 80 is used as a graphical user interface to computerized data, additional control over the first and last displayed nucleotide will typically be dynamically 30 selectable, as by use of standard zooming and/or selection tools.

Field 81 of visual display 80 is used to present the output from process 200, that is, to present the bioinformatic prediction of those sequences having the desired function within the genomic sequence. Functional sequences are typically indicated by at least one rectangle 83 (83a, 83b, 83c), the left and right borders of which respectively indicate, by their X-axis coordinates, the starting and ending nucleotides of the region predicted to have function.

Where a single bioinformatic method or approach identifies a plurality of regions having the desired function, a plurality of rectangles 83 is disposed

10 horizontally in field 81. Where multiple methods and/or approaches are used to identify function, each such method and/or approach can be represented by its own series of horizontally disposed rectangles 83, each such horizontally disposed series of rectangles offset vertically from those representing the results of the other methods and approaches.

Thus, rectangles 83a in FIG. 3 represent the functional predictions of a first method of a first approach for predicting function, rectangles 83b represent the functional predictions of a second method and/or second approach for predicting that function, and rectangles 83c represent the predictions of a third method and/or approach.

Where the function desired to be identified is

25 protein coding, field 81 is used to present the

bioinformatic prediction of sequences encoding protein.

For example, rectangles 83a can represent the results from

GRAIL or GRAIL II, rectangles 83b can represent the results

from GENEFINDER, and rectangles 83c can represent the

30 results from DICTION.

Optionally, and preferably, rectangles 83 collectively representing predictions of a single method and/or approach are identically colored and/or textured, and are distinguishable from the color and/or texture used

for a different method and/or approach.

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Alternatively, or in addition, the color, hue, density, or texture of rectangles 83 can be used further to report a measure of the bioinformatic reliability of the 5 prediction. For example, many gene prediction programs will report a measure of the reliability of prediction. Thus, increasing degrees of such reliability can be indicated, e.g., by increasing density of shading. Where display 80 is used as a graphical user interface, such 10 measures of reliability, and indeed all other results output by the program, can additionally or alternatively be made accessible through linkage from individual rectangles 83, as by time-delayed window ("tool tip" window), or by pointer (e.g., mouse) -activated link.

As earlier described, increased predictive reliability can be achieved by requiring consensus among methods and/or approaches to determining function. field 81 can include a horizontal series of rectangles 83 that indicate one or more degrees of consensus in 20 predictions of function.

Although FIG. 3 shows three series of horizontally disposed rectangles in field 81, display 80 can include as few as one such series of rectangles and as many as can discriminably be displayed, depending upon the 25 number of methods and/or approaches used to predict a given function.

Furthermore, field 81 can be used to show predictions of a plurality of different functions. However, the increased visual complexity occasioned by such 30 display makes more useful the ability of the user to select a single function for display. When display 80 is used as a graphical user interface for computer query and analysis, such function can usefully be indicated and userselectable, as by a series of graphical buttons or tabs

(not shown in FIG. 3).

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Rectangle 89 is shown in FIG. 3 as including interposed rectangle 84. Rectangle 84 represents the portion of annotated sequence for which predicted

5 functional information has been assayed physically, with the starting and ending nucleotides of the assayed material indicated by the X axis coordinates of the left and right borders of rectangle 84. Rectangle 85, with optional inclusive circles 86 (86a, 86b, and 86c) displays the

10 results of such physical assay.

Although a single rectangle 84 is shown in FIG.

3, physical assay is not limited to just one region of annotated genomic sequence. It is expected that an increasing percentage of regions predicted to have function by process 200 will be assayed physically, and that display 80 will accordingly, for any given genomic sequence, have an increasing number of rectangles 84 and 85, representing an increased density of sequence annotation.

where the function desired to be identified is
protein coding, rectangle 84 identifies the sequence of the
probe used to measure expression. In embodiments of the
present invention where expression is measured using
genome-derived single exon microarrays, rectangle 84
identifies the sequence included within the probe
immobilized on the support surface of the microarray. As
noted supra, such probe will often include a small amount
of additional, synthetic, material incorporated during
amplification and designed to permit reamplification of the
probe, which sequence is typically not shown in display 80.

Rectangle 87 is used to present the results of bioinformatic assay of the genomic sequence. For example, where the function desired to be identified is protein coding, process 400 can include bioinformatic query of expression databases with the sequences predicted in

process 200 to encode exons. And as earlier discussed, because bioinformatic assay presents fewer constraints than does physical assay, often the entire output of process 200 can be used for such assay, without further subsetting 5 thereof by process 300. Therefore, rectangle 87 typically need not have separate indicators therein of regions submitted for bioinformatic assay; that is, rectangle 87 typically need not have regions therein analogous to rectangles 84 within rectangle 89.

Rectangle 87 as shown in FIG. 3 includes smaller rectangles 880 and 88. Rectangles 880 indicate regions that returned a positive result in the bioinformatic assay, with rectangles 88 representing regions that did not return such positive results. Where the function desired to be 15 predicted and displayed is protein coding, rectangles 880 indicate regions of the predicted exons that identify sequence with significant similarity in expression databases, such as EST, SNP, SAGE databases, with rectangles 88 indicating genes novel over those identified 20 in existing expression data bases.

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Rectangles 880 can further indicate, through color, shading, texture, or the like, additional information obtained from bioinformatic assay.

For example, where the function assayed and 25 displayed is protein coding, the degree of shading of rectangles 880 can be used to represent the degree of sequence similarity found upon query of expression The number of levels of discrimination can be databases. as few as two (identity, and similarity, where similarity 30 has a user-selectable lower threshold). Alternatively, as many different levels of discrimination can be indicated as can visually be discriminated.

Where display 80 is used as a graphical user interface, rectangles 880 can additionally provide links directly to the sequences identified by the query of expression databases, and/or statistical summaries thereof. As with each of the precedingly-discussed uses of display 80 as a graphical user interface, it should be understood that the information accessed via display 80 need not be resident on the computer presenting such display, which often will be serving as a client, with the linked information resident on one or more remotely located servers.

Rectangle 85 displays the results of physical assay of the sequence delimited by its left and right borders.

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Rectangle 85 can consist of a single rectangle, thus indicating a single assay, or alternatively, and increasingly typically, will consist of a series of rectangles (85a, 85b, 85c) indicating separate physical assays of the same sequence.

Where the function assayed is gene expression, and where gene expression is assayed as herein described 20 using simultaneous two-color fluorescent detection of hybridization to genome-derived single exon microarrays, individual rectangles 85 can be colored to indicate the degree of expression relative to control. Conveniently, shades of green can be used to depict expression in the 25 sample over control values, and shades of red used to depict expression less than control, corresponding to the spectra of the Cy3 and Cy5 dyes conventionally used for respective labeling thereof. Additional functional information can be provided in the form of circles 86 (86a, 30 86b, 86c), where the diameter of the circle can be used to indicate expression intensity. As discussed infra, such relative expression (expression ratios) and absolute expression (signal intensity) can be expressed using normalized values.

Where display 80 is used as a graphical user interface, rectangle 85 can be used as a link to further information about the assay. For example, where the assay is one for gene expression, each rectangle 85 can be used to link to information about the source of the hybridized mRNA, the identity of the control, raw or processed data from the microarray scan, or the like.

FIG. 4 is rendition of display 80 representing gene prediction and gene expression for a hypothetical BAC, showing conventions used in the Examples presented infra.

BAC sequence ("Chip seq.") 89 is presented, with the physically assayed region thereof (corresponding to rectangle 84 in FIG. 3) shown in white. Algorithmic gene predictions are shown in field 81, with predictions by GRAIL shown, predictions by GENEFINDER, and predictions by DICTION shown. Within rectangle 87, regions of sequence that, when used to query expression databases, return identical or similar sequences ("EST hit") are shown as white rectangles (corresponding to rectangles 880 in FIG. 3), gray indicates low homology, and black indicates unknowns (where black and gray would correspond to

Although FIGS. 3 and 4 show a single stretch of sequence, uninterrupted from left to right, longer sequences are usefully represented by vertical stacking of such individual Mondrians, as shown in FIGS. 9 and 10.

rectangles 88 in FIG. 3).

## Single Exon Probes Useful For Measuring Gene Expression

30 The methods and apparatus of the present invention rapidly produce functional information from genomic sequence. Where the function to be identified is protein coding, the methods and apparatus of the present invention rapidly identify and confirm the expression of

portions of genomic sequence that function to encode protein. As a direct result, the methods and apparatus of the present invention rapidly yield large numbers of single-exon nucleic acid probes, the majority from previously unknown genes, each of which is useful for measuring and/or surveying expression of a specific gene in one or more tissues or cell types.

It is, therefore, another aspect of the present invention to provide genome-derived single exon nucleic acid probes useful for gene expression analysis, and particularly for gene expression analysis by microarray.

Using the methods and genome-derived single-exon microarrays of the present invention, we have for example readily identified a large number of unique ORFs from human genomic sequence. Using single exon probes that encompass these ORFs, we have demonstrated, through microarray hybridization analysis, the expression of 5,081 of these ORFs in heart.

As would immediately be appreciated by one of

skill in the art, each single exon probe having
demonstrable expression in heart is currently available for
use in measuring the level of its ORF's expression in
heart. The utility is specific to the probe; at
sufficiently high hybridization stringency, which

stringencies are well known in the art — see Ausubel et al.
and Maniatis et al. — each probe reports the level of
expression of message specifically containing that ORF.

It should be appreciated, however, that the probes of the present invention, for which expression in the heart has been demonstrated are useful for both measurement in the heart and for survey of expression in other tissues.

Significant among such advantages is the presence of probes for novel genes.

As mentioned above and further detailed in Examples 1 and 2, the methods described enable ORFs which are not present in existing expression databases to be identified. And the fewer the number of tissues in which 5 the ORF can be shown to be expressed, the more likely the ORF will prove to be part of a novel gene: as further discussed in Example 2, ORFs whose expression was measurable in only a single of the tested tissues were represented in existing expression databases at a rate of only 11%, whereas 36% of ORFs whose expression was measurable in 9 tissues were present in existing expression databases, and fully 45% of those ORFs expressed in all ten tested tissues were present in existing expressed sequence databases.

Either as tools for measuring gene expression or tools for surveying gene expression, the genome-derived single exon probes of the present invention have significant advantages over the cDNA or EST-based probes that are currently available for achieving these utilities.

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The genome-derived single exon probes of the present invention are useful in constructing genome-derived single exon microarrays; the genome-derived single exon microarrays, in turn, are useful devices for measuring and for surveying gene expression in the human.

Gene expression analysis using microarrays — conventionally using microarrays having probes derived from expressed message — is well-established as useful in the biological research arts (see Lockhart et al. Nature 405, 827-836).

Microarrays have been used to determine gene expression profiles in cells in response to drug treatment (see, for example, Kaminski et al., "Global Analysis of Gene Expression in Pulmonary Fibrosis Reveals Distinct Programs Regulating Lung Inflammation and Fibrosis," Proc.

Natl. Acad. Sci. USA 97(4):1778-83 (2000); Bartosiewicz et al., "Development of a Toxicological Gene Array and Quantitative Assessment of This Technology," Arch. Biochem. Biophys. 376(1):66-73 (2000)), viral infection (see for example, Geiss et al., "Large-scale Monitoring of Host Cell Gene Expression During HIV-1 Infection Using cDNA Microarrays," Virology 266(1):8-16 (2000)) and during cell processes such as differentiation, senescence and apoptosis (see, for example, Shelton et al., "Microarray Analysis of Replicative Senescence," Curr. Biol. 9(17):939-45 (1999); Voehringer et al., "Gene Microarray Identification of Redox and Mitochondrial Elements That Control Resistance or Sensitivity to Apoptosis," Proc. Natl. Acad. Sci. USA 97(6):2680-5 (2000)).

Microarrays have also been used to determine abnormal gene expression in diseased tissues (see, for example, Alon et al., "Broad Patterns of Gene Expression Revealed by Clustering Analysis of Tumor and Normal Colon Tissues Probed by Oligonucleotide Arrays," Proc. Natl.

20 Acad. Sci. USA 96(12):6745-50 (1999); Perou et al., "Distinctive Gene Expression Patterns in Human Mammary Epithelial Cells and Breast Cancara, Proc. Natl. Acad. Sci.

"Distinctive Gene Expression Patterns in Human Mammary
Epithelial Cells and Breast Cancers, Proc. Natl. Acad. Sci.
USA 96(16):9212-7 (1999); Wang et al., "Identification of
Genes Differentially Over-expressed in Lung Squamous Cell
Carcinoma Using Combination of cDNA Subtraction and

Microarray Analysis, "Oncogene 19(12):1519-28 (2000); Whitney et al., "Analysis of Gene Expression in Multiple Sclerosis Lesions Using cDNA Microarrays," Ann. Neurol. 46(3):425-8 (1999)), in drug discovery screens (see, for

oexample, Scherf et al., "A Gene Expression Database for the Molecular Pharmacology of Cancer," Nat. Genet. 24(3):236-44 (2000)) and in diagnosis to determine appropriate treatment strategies (see, for example, Sgroi et al., "In vivo Gene Expression Profile Analysis of Human Breast Cancer

Progression," Cancer Res. 59(22):5656-61 (1999)).

In microarray-based gene expression screens of pharmacological drug candidates upon cells, each probe provides specific useful data. In particular, it should be 5 appreciated that even those probes that show no change in expression are as informative as those that do change, serving, in essence, as negative controls.

For example, where gene expression analysis is used to assess toxicity of chemical agents on cells, the 10 failure of the agent to change a gene's expression level is evidence that the drug likely does not affect the pathway of which the gene's expressed protein is a part. Analogously, where gene expression analysis is used to assess side effects of pharmacological agents - whether in 15 lead compound discovery or in subsequent screening of lead compound derivatives - the inability of the agent to alter a gene's expression level is evidence that the drug does not affect the pathway of which the gene's expressed protein is a part.

WO 99/58720 provides methods for quantifying the relatedness of a first and second gene expression profile and for ordering the relatedness of a plurality of gene expression profiles. The methods so described permit useful information to be extracted from a greater 25 percentage of the individual gene expression measurements from a microarray than methods previously used in the art.

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Other uses of microarrays are described in Gerhold et al., Trends Biochem. Sci. 24(5):168-173 (1999) and Zweiger, Trends Biotechnol. 17(11):429-436 (1999); 30 Schena et al.

The invention particularly provides genomederived single-exon probes known to be expressed in heart.

The individual single exon probes can be provided in the form of substantially isolated and purified nucleic

acid, typically, but not necessarily, in a quantity sufficient to perform a hybridization reaction.

Such nucleic acid can be in any form directly hybridizable to the message that contains the probe's ORF, such as double stranded DNA, single-stranded DNA complementary to the message, single-stranded RNA complementary to the message, or chimeric DNA/RNA molecules so hybridizable. The nucleic acid can alternatively or additionally include either nonnative nucleotides, alternative internucleotide linkages, or both, so long as

alternative internucleotide linkages, or both, so long as complementary binding can be obtained. For example, probes can include phosphorothioates, methylphosphonates, morpholino analogs, and peptide nucleic acids (PNA), as are described, for example, in U.S. Patent Nos. 5,142,047;

15 5,235,033; 5,166,315; 5,217,866; 5,184,444; 5,861,250.

Usefully, however, such probes are provided in a form and quantity suitable for amplification, where the amplified product is thereafter to be used in the hybridization reactions that probe gene expression.

Typically, such probes are provided in a form and quantity suitable for amplification by PCR or by other well known amplification technique. One such technique additional to PCR is rolling circle amplification, as is described, inter alia, in U.S. Patent Nos. 5,854,033 and 5,714,320 and international patent publications WO 97/19193 and

WO 00/15779. As is well understood, where the probes are to be provided in a form suitable for amplification, the range of nucleic acid analogues and/or internucleotide linkages will be constrained by the requirements and nature of the amplification enzyme.

Where the probe is to be provided in form suitable for amplification, the quantity need not be sufficient for direct hybridization for gene expression analysis, and need be sufficient only to function as an

amplification template, typically at least about 1, 10 or 100 pg or more.

Each discrete amplifiable probe can also be packaged with amplification primers, either in a single composition that comprises probe template and primers, or in a kit that comprises such primers separately packaged therefrom. As earlier mentioned, the ORF-specific 5' primers used for genomic amplification can have a first common sequence added thereto, and the ORF-specific 3' primers used for genomic amplification can have a second, different, common sequence added thereto, thus permitting, in this embodiment, the use of a single set of 5' and 3' primers to amplify any one of the probes. The probe composition and/or kit can also include buffers, enzyme, etc., required to effect amplification.

As mentioned earlier, when intended for use on a genome-derived single exon microarray of the present invention, the genome-derived single exon probes of the present invention will typically average at least about 100, 200, 300, 400 or 500 bp in length, including (and typically, but not necessarily centered about) the ORF. Furthermore, when intended for use on a genome-derived single exon microarray of the present invention, the genome-derived single exon probes of the present invention will typically not contain a detectable label.

When intended for use in solution phase hybridization, however — that is, for use in a hybridization reaction in which the probe is not first bound to a support substrate (although the target may indeed be so bound) — length constraints that are imposed in microarray-based hybridization approaches will be relaxed, and such probes will typically be labeled.

In such case, the only functional constraint that dictates the minimum size of such probe is that each such

probe must be capable of specifically identifying in a hybridization reaction the exon from which it is drawn. In theory, a probe of as little as 17 nucleotides is capable of uniquely identifying its cognate sequence in the human genome. For hybridization to expressed message — a subset of target sequence that is much reduced in complexity as compared to genomic sequence — even fewer nucleotides are required for specificity.

Therefore, the probes of the present invention

10 can include as few as 20, 25 or 50 bp or ORF, or more. In

particular embodiments, the ORF sequences are given in SEQ

ID NOS. 5,203 - 10,283, respectively, for probe SEQ ID NOS.

1 - 5,202. The minimum amount of ORF required to be

included in the probe of the present invention in order to

15 provide specific signal in either solution phase or

microarray-based hybridizations can readily be determined

for each of ORF SEQ ID NOS. 5,203 - 10,283 individually by

routine experimentation using standard high stringency

conditions.

Such high stringency conditions are described, 20 inter alia, in Ausubel et al. and Maniatis et al. microarray-based hybridization, standard high stringency conditions can usefully be 50% formamide, 5X SSC, 0.2  $\mu$ g/ $\mu$ l poly(dA), 0.2  $\mu$ g/ $\mu$ l human cot1 DNA, and 0.5 % SDS, in a 25 humid oven at 42°C overnight, followed by successive washes of the microarray in 1X SSC, 0.2% SDS at 55°C for 5 minutes, and then 0.1% SSC, 0.2% SDS, at 55°C for 20 minutes. For solution phase hybridization, standard high stringency conditions can usefully be aqueous hybridization 30 at 65°C in 6% SSC. Lower stringency conditions, suitable for cross-hybridization to mRNA encoding structurally- and functionally-related proteins, can usefully be the same as the high stringency conditions but with reduction in temperature for hybridization and washing to room

and the second of the second

temperature (approximately  $25^{\circ}\text{C}$ ).

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When intended for use in solution phase hybridization, the maximum size of the single exon probes of the present invention is dictated by the proximity of 5 other expressed exons in genomic DNA: although each single exon probe can include intergenic and/or intronic material contiguous to the ORF in the human genome, each probe of the present invention will include portions of only one expressed exon.

Thus, each single exon probe will include no more than about 25 kb of contiguous genomic sequence, more typically no more than about 20 kb of contiguous genomic sequence, more usually no more than about 15 kb, even more usually no more than about 10 kb. Usually, probes that are 15 maximally about 5 kb will be used, more typically no more than about 3 kb.

It will be appreciated that the Sequence Listing appended hereto presents, by convention, only that strand of the probe and ORF sequence that can be directly 20 translated reading from 5' to 3' end. As would be well understood by one of skill in the art, single stranded probes must be complementary in sequence to the ORF as present in an mRNA; it is well within the skill in the art to determine such complementary sequence. It will further 25 be understood that double stranded probes can be used in both solution-phase hybridization and microarray-based hybridization if suitably denatured.

Thus, it is an aspect of the present invention to provide single-stranded nucleic acid probes that have 30 sequence complementary to those described herein above and below, and double-stranded probes one strand of which has sequence complementary to the probes described herein.

The probes can, but need not, contain intergenic and/or intronic material that flanks the ORF, on one or

both sides, in the same linear relationship to the ORF that the intergenic and/or intronic material bears to the ORF in genomic DNA. The probes do not, however, contain nucleic acid derived from more than one expressed ORF.

And when intended for use in solution hybridization, the probes of the present invention can usefully have detectable labels. Nucleic acid labels are well known in the art, and include, inter alia, radioactive labels, such as <sup>3</sup>H, <sup>32</sup>P, <sup>33</sup>P, <sup>35</sup>S, <sup>125</sup>I, <sup>131</sup>I; fluorescent labels, such as Cy3, Cy5, Cy5.5, Cy7, SYBR<sup>®</sup>

Green and other labels described in Haugland,

Handbook of Fluorescent Probes and Research Chemicals, 7th
ed., Molecular Probes Inc., Eugene, OR (2000), or
fluorescence resonance energy transfer tandem conjugates
thereof; labels suitable for chemiluminescent and/or
enhanced chemiluminescent detection; labels suitable for
ESR and NMR detection; and labels that include one member
of a specific binding pair, such as biotin, digoxigenin, or
the like.

The probes, either in quantity sufficient for hybridization or sufficient for amplification, can be provided in individual vials or containers.

Alternatively, such probes can usefully be packaged as a plurality of such individual genome-derived single exon probes.

When provided as a collection of plural individual probes, the probes are typically made available in amplifiable form in a spatially-addressable ordered set, typically one per well of a microtiter dish. Although a 96 well microtiter plate can be used, greater efficiency is obtained using higher density arrays.

If, as earlier mentioned, the ORF-specific 5' primers used for genomic amplification had a first common sequence added thereto, and the ORF-specific 3'

primers used for genomic amplification had a second, different, common sequence added thereto, a single set of 5' and 3' primers can be used to amplify all of the probes from the amplifiable ordered set.

Such collections of genome-derived single exon probes can usefully include a plurality of probes chosen for the common attribute of expression in the human heart.

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In such defined subsets, typically at least 50, 60, 75, 80, 85, 90 or 95% or more of the probes will be 10 chosen by their expression in the defined tissue or cell type.

The single exon probes of the present invention, as well as fragments of the single exon probes comprising selectively hybridizable portions of the probe ORF, can be . 15 used to obtain the full length cDNA that includes the ORF by (i) screening of cDNA libraries; (ii) rapid amplification of cDNA ends ("RACE"); or (iii) other conventional means, as are described, inter alia, in Ausubel et al. and Maniatis et al.

It is another aspect of the present invention to provide genome-derived single exon nucleic acid microarrays useful for gene expression analysis, where the term "microarray" has the meaning given in the definitional section of this description, supra.

The invention particularly provides genomederived single-exon nucleic acid microarrays comprising a plurality of probes known to be expressed in human heart. In preferred embodiments, the present invention provides human genome-derived single exon microarrays comprising a 30 plurality of probes drawn from the group consisting of SEQ ID NOS.: 1 - 5,202.

When used for gene expression analysis, the genome-derived single exon microarrays provide greater physical informational density than do the genome-derived single exon microarrays that have lower percentages of probes known to be expressed commonly in the tested tissue. At a fixed probe density, for example, a given microarray surface area of the defined subset genome-derived single exon microarray can yield a greater number of expression measurements. Alternatively, at a given probe density, the same number of expression measurements can be obtained from a smaller substrate surface area. Alternatively, at a fixed probe density and fixed surface area, probes can be provided redundantly, providing greater reliability in signal measurement for any given probe. Furthermore, with a higher percentage of probes known to be expressed in the assayed tissue, the dynamic range of the detection means can be adjusted to reveal finer levels discrimination among the levels of expression.

Although particularly described with respect to their utility as probes of gene expression, particularly as probes to be included on a genome-derived single exon microarray, each of the nucleic acids having SEQ ID NOS.: 1 - 5,202 contains an open-reading frame, set forth respectively in SEQ ID NOS.: 5,203 - 10,283, that encodes a protein domain. Thus, each of SEQ ID NOS. 1 - 5,202 can be used, or that portion thereof in SEQ ID NOS. 5,203 - 10,283 used, to express a protein domain by standard in vitro recombinant techniques. See Ausubel et al. and Maniatis et al.

Additionally, kits are available commercially that readily permit such nucleic acids to be expressed as protein in bacterial cells, insect cells, or mammalian cells, as desired (e.g., HAT Protein Expression & Purification System, ClonTech Laboratories, Palo Alto, CA; Adeno-X Expression System, ClonTech Laboratories, Palo Alto, CA; Protein Fusion & Purification (pMAL) System, New England Biolabs, Beverley, MA)

Furthermore, shorter peptides can be chemically synthesized using commercial peptide synthesizing equipment and well known techniques. Procedures are described, inter alia, in Chan et al. (eds.), Fmoc Solid Phase Peptide

5 Synthesis: A Practical Approach (Practical Approach Series, (Paper)), Oxford Univ. Press (March 2000) (ISBN: 0199637245); Jones, Amino Acid and Peptide Synthesis (Oxford Chemistry Primers, No 7), Oxford Univ. Press (August 1992) (ISBN: 0198556683); and Bodanszky, Principles of Peptide Synthesis (Springer Laboratory), Springer Verlag (December 1993) (ISBN: 0387564314).

It is, therefore, another aspect of the invention to provide peptides comprising an amino acid sequence translated from SEQ ID NOS: 5,203 - 10,283. Such amino acid sequences are set out in SEQ ID NOS: 10,284 - 15,322. Any such recombinantly-expressed or synthesized peptide of at least 8, and preferably at least about 15, amino acids, can be conjugated to a carrier protein and used to generate antibody that recognizes the peptide. Thus, it is a further aspect of the invention to provide peptides that have at least 8, preferably at least 15, consecutive amino acids.

The following examples are offered by way of illustration and not by way of limitation.

## EXAMPLE 1

Preparation of Single Exon Microarrays from ORFs Predicted in Human Genomic Sequence

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## Bioinformatics Results

All human BAC sequences in fewer than 10 pieces that had been accessioned in a five month period immediately preceding this study were downloaded from

GenBank. This corresponds to ~2200 clones, totaling ~350 MB of sequence, or approximately 10% of the human genome.

After masking repetitive elements using the program CROSS MATCH, the sequence was analyzed for open 5 reading frames using three separate gene finding programs. The three programs predict genes using independent algorithmic methods developed on independent training sets: GRAIL uses a neural network, GENEFINDER uses a hidden Markoff model, and DICTION, a program proprietary to 10 Genetics Institute, operates according to a different heuristic. The results of all three programs were used to create a prediction matrix across the segment of genomic DNA.

The three gene finding programs yielded a range 15 of results. GRAIL identified the greatest percentage of genomic sequence as putative coding region, 2% of the data analyzed. GENEFINDER was second, calling 1%, and DICTION yielded the least putative coding region, with 0.8% of genomic sequence called as coding region.

The consensus data were as follows. GRAIL and GENEFINDER agreed on 0.7% of genomic sequence, GRAIL and DICTION agreed on 0.5% of genomic sequence, and the three programs together agreed on 0.25% of the data analyzed. That is, 0.25% of the genomic sequence was identified by 25 all three of the programs as containing putative coding region.

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ORFs predicted by any two of the three programs ("consensus ORFs") were assorted into "gene bins" using two criteria: (1) any 7 consecutive exons within a 25 kb window 30 were placed together in a bin as likely contributing to a single gene, and (2) all ORFs within a 25 kb window were placed together in a bin as likely contributing to a single gene if fewer than 7 exons were found within the 25 kb window.

#### PCR

The largest ORF from each gene bin that did not span repetitive sequence was then chosen for amplification, as were all consensus ORFs longer than 500 bp. This method approximated one exon per gene; however, a number of genes were found to be represented by multiple elements.

Previously, we had determined that DNA fragments fewer than 250 bp in length do not bind well to the aminomodified glass surface of the slides used as support substrate for construction of microarrays; therefore, amplicons were designed in the present experiments to approximate 500 bp in length.

Accordingly, after selecting the largest ORF per gene bin, a 500 bp fragment of sequence centered on the ORF was passed to the primer picking software, PRIMER3 (available online for use at http://www-genome.wi.mit.edu/cgi-bin/primer/). A first additional sequence was commonly added to each ORF-unique 5' primer, and a second, different, additional sequence was commonly added to each ORF-unique 3' primer, to permit subsequent reamplification of the amplicon using a single set of "universal" 5' and 3' primers, thus immortalizing the amplicon. The addition of universal priming sequences also facilitates sequence verification, and can be used to add a cloning site should some ORFs be found to warrant further study.

The ORFs were then PCR amplified from genomic DNA, verified on agarose gels, and sequenced using the universal primers to validate the identity of the amplicon to be spotted in the microarray.

Primers were supplied by Operon Technologies (Alameda, CA). PCR amplification was performed by standard techniques using human genomic DNA (Clontech, Palo Alto,

CA) as template. Each PCR product was verified by SYBR® green (Molecular Probes, Inc., Eugene, OR) staining of agarose gels, with subsequent imaging by Fluorimager (Molecular Dynamics, Inc., Sunnyvale, CA). 5 amplification was classified as successful if a single band appeared.

The success rate for amplifying ORFs of interest directly from genomic DNA using PCR was approximately 75%. FIG. 5 graphs the distribution of predicted ORF (exon) 10 length and distribution of amplified PCR products, with ORF length shown in red and PCR product length shown in blue (which may appear black in the figure). Although the range of ORF sizes is readily seen to extend to beyond 900 bp, the mean predicted exon size was only 229 bp, with a median 15 size of 150 bp (n=9498). With an average amplicon size of 475 ± 25 bp, approximately 50% of the average PCR amplification product contained predicted coding region, with the remaining 50% of the amplicon containing either intron, intergenic sequence, or both.

Using a strategy predicated on amplifying about 500 bp, it was found that long exons had a higher PCR failure rate. To address this, the bioinformatics process was adjusted to amplify 1000, 1500 or 2000 bp fragments from exons larger than 500 bp. This improved the rate of 25 successful amplification of exons exceeding 500 bp, constituting about 9.2% of the exons predicted by the gene finding algorithms.

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Approximately 75% of the probes disposed on the array (90% of those that successfully PCR amplified) were 30 sequence-verified by sequencing in both the forward and reverse direction using MegaBACE sequencer (Molecular Dynamics, Inc., Sunnyvale, CA), universal primers, and standard protocols.

Some genomic clones (BACs) yielded very poor PCR

and sequencing results. The reasons for this are unclear, but may be related to the quality of early draft sequence or the inclusion of vector and host contamination in some submitted sequence data.

flanking coding regions could theoretically interfere with hybridization during microarray experiments, subsequent empirical results demonstrated that differential expression ratios were not significantly affected by the presence of noncoding sequence. The variation in exon size was similarly found not to affect differential expression ratios significantly; however, variation in exon size was observed to affect the absolute signal intensity (data not shown).

The 350 MB of genomic DNA was, by the abovedescribed process, reduced to 9750 discrete probes, which
were spotted in duplicate onto glass slides using
commercially available instrumentation (MicroArray GenII
Spotter and/or MicroArray GenIII Spotter, Molecular

Dynamics, Inc., Sunnyvale, CA). Each slide additionally
included either 16 or 32 E. coli genes, the average
hybridization signal of which was used as a measure of
background biological noise.

Each of the probe sequences was BLASTed against the human EST data set, the NR data set, and SwissProt GenBank (May 7, 1999 release 2.0.9).

One third of the probe sequences (as amplified) produced an exact match (BLAST Expect ("E") values less than 1 e<sup>-100</sup>) to either an EST (20% of sequences) or a known 30 mRNA (13% of sequences). A further 22% of the probe sequences showed some homology to a known EST or mRNA (BLAST E values from 1 e<sup>-5</sup> to 1 e<sup>-99</sup>). The remaining 45% of the probe sequences showed no significant sequence homology to any expressed, or potentially expressed, sequences

present in public databases.

All of the probe sequences (as amplified) were then analyzed for protein similarities with the SwissProt database using BLASTX, Gish et al., Nature Genet. 3:266 (1993). The predicted functional breakdowns of the 2/3 of probes identical or homologous to known sequences are presented in Table 1.

Table 1

	Table 1		
Function	of Predic	ted ORFs As	Deduced From Comparative
Sequence	Analysis		
Total	V6 chip	V7 chip	Function Predicted from
	•	<b>.</b>	Comparative Sequence
			_
			Analysis
211	96	115	Receptor
120	43	77	Zinc Finger
30	11	19	Homeobox
25	9	16	Transcription Factor
17	11	7	Transcription
118	57	61	Structural
95	39	56	Kinase
36	18	18	Phosphatase
83	31	52	Ribosomal
45	19	26	Transport
21	17	14	Growth Factor
17	12	5	Cytochrome
50	33	17	Channel

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As can be seen, the two most common types of genes were transcription factors and receptors, making up 2.2% and 1.8% of the arrayed elements, respectively.

### EXAMPLE 2

Gene Expression Measurements From Genome-Derived Single Exon Microarrays

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The two genome-derived single exon microarrays prepared according to Example 1 were hybridized in a series of simultaneous two-color fluorescence experiments to (1) Cy3-labeled cDNA synthesized from message drawn individually from each of brain, heart, liver, fetal liver, placenta, lung, bone marrow, HeLa, BT 474, or HBL 100 cells, and (2) Cy5-labeled cDNA prepared from message pooled from all ten tissues and cell types, as a control in each of the measurements. Hybridization and scanning were carried out using standard protocols and Molecular Dynamics equipment.

Briefly, mRNA samples were bought from commercial sources (Clontech, Palo Alto, CA and Amersham Pharmacia Biotech (APB)). Cy3-dCTP and Cy5-dCTP (both from APB) were 20 incorporated during separate reverse transcriptions of 1  $\mu g$ of polyA $^{+}$  mRNA performed using 1  $\mu$ g oligo(dT)12-18 primer and 2  $\mu g$  random 9mer primers as follows. After heating to 70°C, the RNA:primer mixture was snap cooled on ice. After snap cooling on ice, added to the RNA to the stated final 25 concentration was: 1X Superscript II buffer, 0.01 M DTT, 100 $\mu$ M dATP, 100  $\mu$ M dGTP, 100  $\mu$ M dTTP, 50  $\mu$ M dCTP, 50  $\mu$ M Cy3-dCTP or Cy5-dCTP 50  $\mu M$ , and 200 U Superscript II enzyme. The reaction was incubated for 2 hours at 42°C. After 2 hours, the first strand cDNA was isolated by adding 30 1 U Ribonuclease H, and incubating for 30 minutes at 37°C. The reaction was then purified using a Qiagen PCR cleanup column, increasing the number of ethanol washes to 5. Probe was eluted using 10 mM Tris pH 8.5.

Using a spectrophotometer, probes were measured

for dye incorporation. Volumes of both Cy3 and Cy5 cDNA corresponding to 50 pmoles of each dye were then dried in a Speedvac, resuspended in 30  $\mu$ l hybridization solution containing 50% formamide, 5X SSC, 0.2  $\mu$ g/ $\mu$ l poly(dA), 0.2  $\mu$ g/ $\mu$ l human cot1 DNA, and 0.5 % SDS.

Hybridizations were carried out under a coverslip, with the array placed in a humid oven at 42°C overnight. Before scanning, slides were washed in 1X SSC, 0.2% SDS at 55°C for 5 minutes, followed by 0.1X SSC, 0.2% SDS, at 55°C for 20 minutes. Slides were briefly dipped in water and dried thoroughly under a gentle stream of nitrogen.

Slides were scanned using a Molecular Dynamics
Gen3 scanner, as described. Schena (ed.), Microarray

Biochip: Tools and Technology, Eaton Publishing
Company/BioTechniques Books Division (2000) (ISBN:
1881299376).

Although the use of pooled cDNA as a reference permitted the survey of a large number of tissues, it

20 attenuates the measurement of relative gene expression, since every highly expressed gene in the tissue/cell type-specific fluorescence channel will be present to a level of at least 10% in the control channel. Because of this fact, both signal and expression ratios (the latter hereinafter,

25 "expression" or "relative expression") for each probe were normalized using the average ratio or average signal, respectively, as measured across the whole slide.

Data were accepted for further analysis only when signal was at least three times greater than biological noise, the latter defined by the average signal produced by the E. coli control genes.

The relative expression signal for these probes was then plotted as function of tissue or cell type, and is presented in FIG. 6.

FIG. 6 shows the distribution of expression across a panel of ten tissues. The graph shows the number of sequence-verified products that were either not expressed ("0"), expressed in one or more but not all 5 tested tissues ("1" - "9"), and expressed in all tissues tested ("10").

Of 9999 arrayed elements on the two microarrays (including positive and negative controls and "failed" products), 2353 (51%) were expressed in at least one tissue 10 or cell type. Of the gene elements showing significant signal - where expression was scored as "significant" if the normalized Cy3 signal was greater than 1, representing signal 5-fold over biological noise (0.2) - 39% (991) were expressed in all 10 tissues. The next most common class 15 (15%) consisted of gene elements expressed in only a single tissue.

The genes expressed in a single tissue were further analyzed, and the results of the analyses are compiled in FIG. 7.

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FIG. 7A is a matrix presenting the expression of all verified sequences that showed expression greater than 3 in at least one tissue. Each clone is represented by a column in the matrix. Each of the 10 tissues assayed is represented by a separate row in the matrix, and relative 25 expression of a clone in that tissue is indicated at the respective node by intensity of green shading, with the intensity legend shown in panel B. The top row of the matrix ("EST Hit") contains "bioinformatic" rather than "physical" expression data — that is, presents the results 30 returned by query of EST, NR and SwissProt databases using the probe sequence. The legend for "bioinformatic expression" (i.e., degree of homology returned) is presented in panel C. Briefly, white is known, black is novel, with gray depicting nonidentical with significant

homology (white: E values < 1e-100; gray: E values from 1e-05 to 1e-99; black: E values > 1e-05).

As FIG. 7 readily shows, heart and brain were demonstrated to have the greatest numbers of genes that

5 were shown to be uniquely expressed in the respective tissue. In brain, 200 uniquely expressed genes were identified; in heart, 150. The remaining tissues gave the following figures for uniquely expressed genes: liver, 100; lung, 70; fetal liver, 150; bone marrow, 75; placenta, 100; 10 HeLa, 50; HBL, 100; and BT474, 50.

"novel" genes among those that were up-regulated in only one tissue, as compared with those that were down-regulated in only one tissue. In fact, it was found that ORFs whose expression was measurable in only a single of the tested tissues were represented in sequencing databases at a rate of only 11%, whereas 36% of the ORFs whose expression was measurable in 9 of the tissues were present in public databases. As for those ORFs expressed in all ten tissues, fully 45% were present in existing expressed sequence databases. These results are not unexpected, since genes expressed in a greater number of tissues have a higher likelihood of being, and thus of having been, discovered by EST approaches.

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## Comparison of Signal from Known and Unknown Genes

The normalized signal of the genes found to have high homology to genes present in the GenBank human EST database were compared to the normalized signal of those genes not found in the GenBank human EST database. The data are shown in FIG. 8.

FIG. 8 shows the normalized Cy3 signal intensity for all sequence-verified products with a BLAST Expect ("E") value of greater than 1e-30 (designated "unknown")

upon query of existing EST, NR and SwissProt databases, and shows in blue the normalized Cy3 signal intensity for all sequence-verified products with a BLAST Expect value of less than 1e-30 ("known"). Note that biological background noise has an averaged normalized Cy3 signal intensity of 0.2.

As expected, the most highly expressed of the ORFs were "known" genes. This is not surprising, since very high signal intensity correlates with very commonly-expressed genes, which have a higher likelihood of being found by EST sequence.

However, a significant point is that a large number of even the high expressers were "unknown". Since the genomic approach used to identify genes and to confirm their expression does not bias exons toward either the 3' or 5' end of a gene, many of these high expression genes will not have been detected in an end-sequenced cDNA library.

The significant point is that presence of the
gene in an EST database is not a prerequisite for
incorporation into a genome-derived microarray, and
further, that arraying such "unknown" exons can help to
assign function to as-yet undiscovered genes.

# 25 Verification of Gene Expression

To ascertain the validity of the approach described above to identify genes from raw genomic sequence, expression of two of the probes was assayed using reverse transcriptase polymerase chain reaction (RT PCR) and northern blot analysis.

Two microarray probes were selected on the basis of exon size, prior sequencing success, and tissue-specific gene expression patterns as measured by the microarray experiments. The primers originally used to amplify the

two respective ORFs from genomic DNA were used in RT PCR against a panel of tissue-specific cDNAs (Rapid-Scan gene expression panel 24 human cDNAs) (OriGene Technologies, Inc., Rockville, MD).

Sequence AL079300\_1 was shown by microarray hybridization to be present in cardiac tissue, and sequence AL031734\_1 was shown by microarray experiment to be present in placental tissue (data not shown). RT-PCR on these two sequences confirmed the tissue-specific gene expression as measured by microarrays, as ascertained by the presence of a correctly sized PCR product from the respective tissue type cDNAs.

Clearly, all microarray results cannot, and indeed should not, be confirmed by independent assay

15 methods, or the high throughput, highly parallel advantages of microarray hybridization assays will be lost. However, in addition to the two RT-PCR results presented above, the observation that 1/3 of the arrayed genes exist in expression databases provides powerful confirmation of the power of our methodology — which combines bioinformatic prediction with expression confirmation using genomederived single exon microarrays — to identify novel genes from raw genomic data.

To verify that the approach further provides

25 correct characterization of the expression patterns of the identified genes, a detailed analysis was performed of the microarrayed sequences that showed high signal in brain.

For this latter analysis, sequences that showed high (normalized) signal in brain, but which showed very low (normalized) signal (less than 0.5, determined to be biological noise) in all other tissues, were further studied. There were 82 sequences that fit these criteria, approximately 2% of the arrayed elements. The 10 sequences showing the highest signal in brain in microarray

hybridizations are detailed in Table 2, along with assigned function, if known or reasonably predicted.

Table 2

F	unction	of the Mos	st Highly	
Expressed G				ı
_				
Microarray	Normal	Expressi	Homology	Gene Function
Sequence	ized	on Ratio	to EST	as described by
Name	Signal		present	GenBank
			in	
			GenBank	
AP000217-1	5.2	+7.7	High	S-100 protein,
	·			b-chain, Ca <sup>2+</sup>
				binding protein
				expressed in
				central nervous
				system
AP000047-1	2.3		High	Unknown
				Function
AC006548-9	1.7		High	Similar to
				mouse membrane
				glyco-protein
				M6, expressed
				in central
				nervous system
AC007245-5	1.5		High	Similar to
				amphiphysin, a
				synaptic
				vesicle-
				associated
				protein. Ref 21
L44140-4	1.2	+2.0	High	Endothelial
				actin-binding

	<u> </u>	81		protein found
				_
				in nonmuscle
				filamin
AC004689-9	1.2	+3.5	High	Protein
				Phosphatase
		•		PP2A, neuronal/
				downregulates
				activated
	:			protein kinases
AL031657-1	1.2	+3.0	High	Unknown
				function/
				Contains the
				anhyrin motif,
				a common
				protein
				sequence motif
AC009266-2	1.1	+3.7	Low	Low homology to
				the
				Synaptotagmin I
	:			protein in
				rat/present at
				low levels
,				throughout rat
				brain
AP000086-1	1.0	+2.7	Low	Unknown, very
				poor homology
				to collagen
AC004689-3	1.0		High	Protein
				Phosphatase
				PP2A, neuronal/
				downregulates
		*		activated
•				protein kinases
				-

Of the ten sequences studied by these latter confirmatory approaches, eight were previously known. Of these eight, six had previously been reported to be important in the central nervous system or brain. The exon 5 giving the highest signal (AP00217-1) was found to be the gene encoding an S100B Ca2+ binding protein, reported in the literature to be highly and uniquely expressed in the central nervous system. Heizmann, Neurochem. Res. 9:1097 (1997).

A number of the brain-specific probe sequences (including AC006548-9, AC009266-2) did not have homology to any known human cDNAs in GenBank but did show homology to rat and mouse cDNAs. Sequences AC004689-9 and AC004689-3 were both found to be phosphatases present in neurons 15 (Millward et al., Trends Biochem. Sci. 24(5):186-191 (1999)). Two microarray sequences, AP000047-1 and AP000086-1 have unknown function, with AP000086-1 being absent from GenBank. Functionality can now be narrowed down to a role in the central nervous system for both of 20 these genes, showing the power of designing microarrays in this fashion.

10

Next, the function of the chip sequences with the highest (normalized) signal intensity in brain, regardless of expression in other tissues, was assessed. 25 latter analysis, we found expression of many more common genes, since the sequences were not limited to those expressed only in brain. For example, looking at the 20 highest signal intensity spots in brain, 4 were similar to tubulin (AC00807905; AF146191-2; AC007664-4; AF14191-2), 2 30 were similar to actin (AL035701-2; AL034402-1), and 6 were found to be homologous to glyceraldehyde-3-phosphate dehydrogenase (GAPDH) (AL035604-1; Z86090-1; AC006064-L, AC006064-K; AC035604-3; AC006064-L). These genes are often used as controls or housekeeping genes in microarray

experiments of all types.

Other interesting genes highly expressed in brain were a ferritin heavy chain protein, which is reported in the literature to be found in brain and liver (Joshi et 5 al., J. Neurol. Sci. 134(Suppl):52-56 (1995)), a result duplicated with the array. Other highly expressed chip sequences included a translation elongation factor 1 (AC007564-4), a DEAD-box homolog (AL023804-4), and a Ychromosome RNA-binding motif (Chai et al., Genomics 10 49(2):283-89 (1998))(AC007320-3). A low homology analog (AP00123-1/2) to a gene, DSCR1, thought to be involved in trisomy 21 (Down's syndrome), showed high expression in both brain and heart, in agreement with the literature (Fuentes et al., Mol. Genet. 4(10):1935-44 (1995)).

As a further validation of the approach, we selected the BAC AC006064 to be included on the array. This BAC was known to contain the GAPDH gene, and thus could be used as a control for the ORF selection process. The gene finding and exon selection algorithms resulted in 20 choosing 25 exons from BAC AC006064 for spotting onto the array, of which four were drawn from the GAPDH gene. 3 shows the comparison of the average expression ratio for the 4 exons from BAC006064 compared with the average expression ratio for 5 different dilutions of a 25 commercially available GAPDH cDNA (Clontech).

Table 3

15

Comparis	son of Expression Ra	atio, for each
tissue, of GAPDH		
	AC006064 (n = 4)	Control ( n = 5)
Bone Marrow	-1.81 ± 0.11	-1.85 ± 0.08
Brain	-1.41 ± 0.11	-1.17 ± 0.05
BT474	1.85 ± 0.09	1.66 ± 0.12

Fetal Liver	-1.62 ± 0.07	-1.41 ± 0.05
HBL100	1.32 ± 0.05	2.64 ± 0.12
Heart	1.16 ± 0.09	1.56 ± 0.10
HeLa	1.11 ±0.06	1.30 ± 0.15
Liver	-1.62 ± 0.22	-2.07 ±
Lung	-4.95 ± 0.93	-3.75 ± 0.21
Placenta	-3.56 ± 0.25	-3.52 ± 0.43

Each tissue shows excellent agreement between the experimentally chosen exons and the control, again

5 demonstrating the validity of the present exon mining approach. In addition, the data also show the variability of expression of GAPDH within tissues, calling into question its classification as a housekeeping gene and utility as a housekeeping control in microarray

10 experiments.

## EXAMPLE 3

Representation of Sequence and Expression Data as a "Mondrian"

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For each genomic clone processed for microarray as above-described, a plethora of information was accumulated, including full clone sequence, probe sequence within the clone, results of each of the three gene finding programs, EST information associated with the probe sequences, and microarray signal and expression for multiple tissues, challenging our ability to display the information.

Accordingly, we devised a new tool for visual
display of the sequence with its attendant annotation
which, in deference to its visual similarity to the
paintings of Piet Mondrian, is hereinafter termed a

"Mondrian". FIGS. 3 and 4 present the key to the information presented on a Mondrian.

FIG. 9 presents a Mondrian of BAC AC008172 (bases 25,000 to 130,000 shown), containing the carbamyl phosphate synthetase gene (AF154830.1). Purple background within the region shown as field 81 in FIG. 3 indicates all 37 known exons for this gene.

As can be seen, GRAIL II successfully identified 27 of the known exons (73%), GENEFINDER successfully identified 37 of the known exons (100%), while DICTION identified 7 of the known exons (19%).

Seven of the predicted exons were selected for physical assay, of which 5 successfully amplified by PCR and were sequenced. These five exons were all found to be from the same gene, the carbamyl phosphate synthetase gene (AF154830.1).

The five exons were arrayed, and gene expression measured across 10 tissues. As is readily seen in the Mondrian, the five chip sequences on the array show

20 identical expression patterns, elegantly demonstrating the reproducibility of the system.

FIG. 10 is a Mondrian of BAC AL049839. We selected 12 exons from this BAC, of which 10 successfully sequenced, which were found to form between 5 and 6 genes.

25 Interestingly, 4 of the genes on this BAC are protease inhibitors. Again, these data elegantly show that exons selected from the same gene show the same expression patterns, depicted below the red line. From this figure, it is clear that our ability to find known genes is very good. A novel gene is also found from 86.6 kb to 88.6 kb, upon which all the exon finding programs agree. We are confident we have two exons from a single gene since they show the same expression patterns and the exons are proximal to each other. Backgrounds in the following

colors indicate a known gene (top to bottom):
 red = kallistatin protease inhibitor (P29622);
 purple = plasma serine protease inhibitor (P05154);
 turquoise = α1 anti-chymotrypsin (P01011); mauve = 40S
 ribosomal protein (P08865). Note that chip sequence 8 and
 12 did not sequence verify.

#### EXAMPLE 4

10 Genome-Derived Single Exon Probes Useful For Measuring Human Gene Expression

The protocols set forth in Examples 1 and 2, supra, were applied to additional human genomic sequence as it became newly available in GenBank. 5,081 unique exons in the human genome that could be shown to be expressed at significant levels in heart tissue were identified.

These unique exons are within longer probe sequences. Each probe was completely sequenced on both strands prior to its use on a genome-derived single exon microarray; sequencing confirms the exact chemical structure of each probe. An added benefit of sequencing is that it placed us in possession of a set of single base-incremented fragments of the sequenced nucleic acid, starting from the sequencing primer 3' OH. (Since the single exon probes were first obtained by PCR amplification from genomic DNA, we were of course additionally in possession of an even larger set of single base incremented fragments of each of the 5,202 single exon probes, each fragment corresponding to an extension product from one of the two amplification primers.)

The structures of the 5,202 unique single exon probes are clearly presented in the Sequence Listing as SEQ ID Nos.: 1 - 5,202. The 16 nt 5' primer sequence and 16 nt

- 3' primer sequence present on the amplicon are not included in the sequence listing. The sequences of the exons present within each of these probes is presented in the Sequence Listing as SEQ ID Nos.: 5,203 10,283,
- 5 respectively. It will be noted that some amplicons have more than one exon, some exons are contained in more than one amplicon.

As detailed in Example 2, expression was demonstrated by disposing the amplicons as single exon

10 probes on nucleic acid microarrays and then performing twocolor fluorescent hybridization analysis; significant
expression is based on a statistical confidence that the
signal is significantly greater than negative biological
control spots. The negative biological control is formed

15 from spotted DNA sequences from a different species. Here,
32 sequences from E.Coli were spotted in duplicate to give
a total of 64 spots.

For each hybridisation (each slide, each colour) the median value of the signal from all of the spots is determined. The normalised signal value is the arithmetic mean of the signal from duplicate spots divided by the population median.

Control spots are eliminated if there is more that a five-fold difference between each one of the duplicate spots raw signals.

The median of the signal from the remaining control spots is calculated and all subsequent calculations are done with normalised signals.

Control spots having a signal of greater than

median + 2.4 (the value 2.4 is roughly 12 times the observed standard deviation of control spot populations) are eliminated. Spots with such high signals are considered to be "outliers".

The mean and standard deviation of the modified

control spot populations are calculated.

The mean + 3x the standard deviation (mean + (3\*SD)) is used as the signal threshold qualifier for that particular hybridisation. Thus, individual thresholds are determined for each channel and each hybridisation.

This means that, assuming that the data is distributed normally, there is a 99% confidence that any signal exceeding the threshold is significant.

The probes and their expression data are

10 presented in Table 4, set forth respectively in Example 5.

Example 5 presents the subset of probes that is

significantly expressed in the human heart and thus

presents the subset of probes that was recognized to be

useful for measuring expression of their cognate genes in

15 human heart tissue.

The sequence of each of the exon probes
identified by SEQ ID NOS.: 5,203 to 10,283 was individually
used as a BLAST (or, for SWISSPROT, BLASTX) query to
identify the most similar sequence in each of dbEST,

SwissProt (BLASTX), and NR divisions of GenBank. Because
the query sequences are themselves derived from genomic
sequence in GenBank, only nongenomic hits from NR were
scored.

The smallest in value of the BLAST (or BLASTX)

25 expect ("E") scores for each query sequence across the three database divisions was used as a measure of the "expression novelty" of the probe's ORF. Table 4 is sorted in descending order based on this measure, reported as "Most Similar (top) Hit BLAST E Value". 29 out of the 5081 exons were found to have no similar sequences.

As sorted, Table 4 thus lists its respective probes (by "AMPLICON SEQ ID NO.:" and additionally by the SEQ ID NO:. of the exon contained within the probe: "EXON SEQ ID NO.:") from least similar to sequences known to be

expressed (i.e., highest BLAST E value), at the beginning of the table, to most similar to sequences known to be expressed (i.e., lowest BLAST E value), at the bottom of the table.

Table 4 further provides, for each listed probe, the accession number of the database sequence that yielded the "Most Similar (top) Hit BLAST E Value", along with the name of the database in which the database sequence is found ("Top Hit Database Source").

Table 4 further provides SEQ ID NOS. 10 corresponding to the predicted amino acid sequences where they have been determined for the probe and exon nucleotide sequences. These are set out as PEPTIDE SEO ID NOS .: . The peptide sequences for a given exon are predicted as 15 follows: Since each chip exon is a consensus sequence drawn from predictions from various exon finding programs (i.e. Grail, GeneFinder and GenScan), the multiple initial ORFs are first determined in a uniform way according to each prediction. In particular, the reading frame for predicting 20 the first amino acid in the peptide sequence always starts with the first base of any codon and ends with the last base of non-termination codon. Next, for each strand of the exon, initial ORFs are merged into one or more final ORFs in an exhaustive process based on the following criteria: 25 1) the merging ORFs must be overlapping, and 2) the merging ORFs must be in the same frame.

The Sequence Listing, which is a superset of all of the data presented in Table 4, further includes, for each probe, the most similar hit, with accession number and BLAST E value, from the each of the three queried databases.

Table 4 further lists, for each probe, a portion of the descriptor for the top hit ("Top Hit Descriptor") as provided in the sequence database. For those ORFs that are

similar in sequence, but nonidentical to known sequences (e.g., those with BLAST E values between about 1e-05 and 1e-100), the descriptor reveals the likely function of the protein encoded by the probe's ORF.

Using BLAST E value cutoffs of 1e-05 (i.e., 1 x 10<sup>-5</sup>) and 1e-100 (i.e., 1 x 10<sup>-100</sup>) as evidence of similarity to sequences known to be expressed is of course arbitrary: in Example 2, supra, a BLAST E value of 1e-30 was used as the boundary when only two classes were to be defined for analysis (unknown, >1e-30; known <1e-30) (see also FIG. 8). Furthermore, even when the "Most Similar (Top) Hit BLAST E Value" is low, e.g., less than about 1e-100 — which is probative evidence that the query sequence has previously been shown to be expressed — the top hit is highly unlikely exactly to match the probe sequence.

First, such expression entries typically will not have the intronic and/or intergenic sequence present within the single exon probes listed in the Table. Second, even the ORF itself is unlikely in such cases to be present identically in the databases, since most of the EST and mRNA clones in existing databases include multiple exons, without any indication of the location of exon boundaries.

As noted, the data presented in Table 4 represent a proper subset of the data present within the attached

25 sequence listing. For each amplicon probe (SEQ ID NOs.: 1 - 5,202) and probe exon (SEQ ID NOs.: 5,203 - 10,283, respectively), the sequence listing further provides, through iterated annotation fields <220> and <223>:

- (a) the accession number of the BAC from which
  the sequence was derived ("MAP TO"), thus providing a link
  to the chromosomal map location and other information about
  the genomic milieu of the probe sequence;
  - (b) the most similar sequence provided by BLAST query of the EST database, with accession number and BLAST

26. 7721	2631 7721	578 5738	4988 10091	4976 10079	4779 9889		4242 9367	4184 9310	4184 9310	4164 9290	4102 9228	3607 8746	3513 8654		3403 8545	3149 8298		3003 8155		2233 7340	$\neg$	П	1848 6966	$\neg$	Т	$\neg$	7			7	П	$\neg$		286 5473	AMPLICON EXON PEP SEQ ID SEQ SEC NO: ID NO: NO:
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2 1.0	1.0	0.7		Γ						Γ			0.9	9.0			Г	1.0	5.9	0.8	1.0	1.1	1.0	2.7				.0.7	2.7	0.7	5.8	1.5	0.7	0.7	EXPRESSION
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1	्र	П	2 8869	8667		5627	7	5627		8074	П	5421		6568	7225	7080	7959				10136	7	$\neg$		8357	9079				8600	П	$\neg$	9787	8620	8098	8098	5600
I			13961	13771		10755	П	10754	14130	13182	10545	10544		11744	12433	12279	13067		10780	10780	15212	15211	٦	٦	13466		14154			13713	13490		14886		13204	13203	10731
			0.8	0.8		1.0		1.0	1.5	1.5	1.6	1.6	1.1	2.1	<u>:</u>	0.9	==	1.5	0.8	1.4	1.4	1.4	1.0	1.3	1.0	5.1	10.1	6.0	1.0	3.9	4.0	9.4	1.5	0.8	4.2	4.2	0.6
	2.60E+	2.60€+	2.60€+	2.60€+		2.60E+00		2.60E+00	2.70€+00	2.70€+00	2.70E+00	2.70€+00	2.80E+00	2.80€+00	2.90E+00	2.90E+00	3.00€+00	3.20€+00	3.20E+00	3.20E+00	3.30E+00	3.30E+00	3.40€+00	3.40€+00	3.50E+00	3.70€+00	3.70E+0	3.80€+0	3.90€+00	3.90E+00	4.70€+00	4.80E+0	5.30€+0	5.80E+00	7.20E+00	7.20E+00	8.40E+00
	2.60E+00 AF068749.1	2.60E+00 AW966084.1	2.60E+00 AW966084.1	2.60E+00 AF111168.2		)0 AE002369.1		)0 AE002369.1	)0 AF195052.1				AL16155		0 AF055477.1	0 AE002225.2		AJ40357					AL 16327	0 AF254577.1	0 AF221538.1		3.70E+00 AL161539.2	3.80E+00 AE001562.1	0 AF055466.1			4.80E+00 AF185255.1	5.30E+00 L43126.1	7661557	L12051.1	-	_
	NT	EST_HUMAN		2	i	N	i	NT	N.		6 NT	BNT	Z	Z,	N	Z	N I	N	NT	NT	SNT	5 NT	NT	NT	NT	NT .	NT	Z	Z	Z	Z	NT	NT	_		NT	NT
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1448	_	11748	0.8	2.50E+00	2.50E+00 AJ271844.1	NT	Aspergillus nidulans recQ gene for DNA nelicase, exons 1-4
1440	02/2	11/40	0.0	6.000			handling room cone for DNA helicase, exons 1-4
1448	_1	11749	0.8	2.50E+00	2.50E+00 AJ271844.1	NT	2
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2	Т	15047	7.8	2.40E+00	4503352	NT	Homo sapiens double C2-like comains, alpha (CCC27) misses
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1233	6362	11524	3 2	2.30E+00 Z46/Z4.1	246724.1	2	G.Golliesand anniete cds
			2	300	S SOCIAL ACTROSOL 1	Z 1	Danjo reno rast skejetal muscle myosiii ligi k bolybobaco o (1171-27)

Table 4

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HYPOTHE I CAL PROTEIN NAVOLET	SWISSPROT	Q14137	1.70E+00 Q14137	1.1		- 1	585
	SWISSPROT	Q14137	1.70E+00 Q14137	1.1	10842	5726	565
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LIVENTHETICAL PROTEIN KIAA0124	CMICCOBOT	W1413/	1.702+00	0.6	10842	5726	564
epsilon subunit (atpE) genes, complete cds	NT	U04356.1	1.80E+00 U04356.1	4.5	13332	8233	3082
epsilon submit (atpE) genes, complete cds epsilon submit (atpE) genes, complete cds Synechococcus sp. PCC7942 copper transporting P-ATPase (ctaA) and ATP synthase	NT	U04356.1	1.80E+00 U04356.1	4.5	13331	8233	3082
Streethoroccus sn PCC7942 copper transporting P-ATPase (ctaA) and ATP synthase	SWISSPACE	P21004	1.80E+00	1.7	13305	8205	3054
Mus musculus mRNA for Rho guanine nucleotide-exchange factor, splice variant NETTA	NT	AJ010045.1		0.7		7106	1990
gb:X01677 GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, LIVER (HUMAN);	EST_HUMAN	AW664496.1	2.00E+00	2.1	14225	9142	4011
	EST_HUMAN	AW664496.1	2.00E+00	2.1	14224	9142	4011
R. 101 VBGICUS III. NO. CEAD G111 Homo saniens cDNA clone IMAGE:2972168 3' similar to	2	Z78279.1	2.00E+00   Z78279.1	1.7	12423	7213	2102
R.norvegicus mr.NA for collagen alpha 1 fore	LN.		2.00E+00 Z78279.1	1.7	12422	7213	2102
POTATIVE RRNA METHICLIPANOTENACION	SWISSPROT	P25582	2.00€+00	1.1		100 100 100 100 100 100 100 100 100 100	1557
Oryclolagus cuniculus Na+,K+A I Pase Deta 1 subunit IIIKNA, complete con	NT	AF204927.1	2.00E+00	1.4	11608	242	1313
Homo sapiens p22Dokdel (DOKDEL) mRNA, complete cas	NT		2.00€+00	12	11467	6311	1178
Homo sapiens p22Dokdel (DOKDEL) mRNA, complete cds	NT			12	11466	2311	3/03
	Z	AF257470.1	2 10 = 100	1.0	13943	8853	3715
Gorilla gorilla mitochondrion, complete genome	ZT	5825140 NT	20100		10042	805 <u>X</u>	3715
Gorilla gorilla mitochondrion, complete genome	T_HUMAN	AW449366.1 ES 5835149 NT	2.10E+00	1.2	19043	868	3539
111.H.B.13-akla-08-0-UI.s1 NCI CGAP Sub5 Homo sapiens cDNA clone IMAGE:2734550 31				1	1.	29/8	85
Homo sapiens tolloid-like 1 (TLL1), mRNA		12721	2105+00	200	1000	2604	8 8
Mus musculus pre-T cell receptor alpha gene, enhancer region and upstream region		3	3 105-100	3 0.0	14424	9346	4216
Rat gene for regucaldin, exon1 (non-coding exon)	NT NT	D67071.1	2.205+00	3.8	14423	9346 6	4216
Bat cape for regulation expn1 (non-coding exon)			2.30€+00 /	1.3		9159	4031
Homo sapiels disclineding a realisment of cylochrome b				1.2		7728	2639
Dalilo Ielio est speciela illiasso il segment HS21C009			_	0.8	11665	6499	1371
Goomesticus attrical single ciem emisco pono (27)			_	3.2	11524	6362	1233
Homo sapiens double Czilike dollialis, alpira (2002)		4503352	2.40E+00	7.6	15017	9925	4816
TRYPTOPHAN SYNTHAGE ALTHA CHAIN	/ISSPROT		2.40E+00 (	3.0	13462	8349	3201
Chicken alpha-3 collagen type VI MKNA, 3' end			2.40E+00 M24282.1	0.9	13239	2	2980
TRANSCRIPTION FACTOR ES	SWISSPROT	P19532 · S		0.8		7600	2503
Aspergillus nidulans recQ gene tor UNA nelicase, exons 1-4				0.8	11749	6575	44
Aspergillus nidulans recQ gene for DNA helicase, exons 1-4	NT	AJ271844.1	2.50E+00 /	0.8	11748	6575	1448

Fugu rubripes neurofibromatosis type 1 (NF1), A-kinase anchor protein (AKAP84), BAW protein (BAW), and WSB1 protein (WSB1) genes, complete cds	3	.40E+00 AF064564.2	1.40E+00	1.2	13033	7830	27 <b>4</b>
Fugu rubripes neurofibromatosis type 1 (NF1), A-kinase anchor protein (AKAP84), BAW protein (BAW), and WSB1 protein (WSB1) genes, complete cds	N T	AF064564.2	1.40E+00	1.2	13032	7830	2746
Human papillomavirus type 7 genomic DNA	NT	X74463.1	1.40E+00	0.6	12926		2634
Ovis aries prion protein gene, complete cds	NT	U67922.1	1.40E+00	3.4			2286
Helicobacter pylori glutamine synthetase (glnA) gene, complete cds	NT	AF053357.1	1.40E+00	1.0			2231
Homo sapiens DKFZP586M0122 protein (DKFZP586M0122), mRNA	NT	7661685 NT	1.40E+00	1.3	10341	5236	27
Homo sapiens DKFZP586M0122 protein (DKFZP586M0122), mRNA	TN	7661685 NT	1.40E+00	1.3	10340		27
Delinococcus radiodurans R1 section 82 of 229 of the complete chromosome 1	NT	AE001945.1	1.50E+00	0.8	13586		3329
Potato virus A RNA complète genome, Isolate U	NT	AJ131402.1		2.2	12667		3099
Mus musculus T-cell lymphoma invasion and metastasis 1 (Tiam1), mRNA	NT	6678350	1.50E+00	0.7	12769		2468
Potato virus A RNA complete genome, isolate U	NT	AJ131402.1	1.50E+00	0.9	12667		2359
(Adam15), mRNA	NT	6752961	1,50E+00	0.6		5763	605
Mus musculus a disintegrin and metalloproteinase domain (ADAM) 15 (metargidin)						Т	
Chiamydophila pneumoniae AR39, section 32 of 94 of the complete genome	NT.	1.50E+00 AE002201.2	1.50E+00	0.6	10546	T	231
Rattus norvegicus jun dimerization protein 2 (jdp-2) mRNA, complete cds	TN	U53449.1		1.5	10344	_	ω W
Mus musculus ST6GalNAcill gene, exon 2	TN	Y11344.1		3.1	15190	_	5016
Mus musculus ST6GalNAcIII gene, exon 2	NT	Y11344.1		3.1	15189	10118	5016
Hurnan CCAAT/enhancer binding protein alpha gene, complete cds	NT	U34070.1	1.60E+00	1.2	14572	9481	4359
Homo sapiens proliferation-associated SNF2-like protein (SMARCA6) mRNA, complete cds	NT	1.60E+00 AF155827.1	1.60E+00	1.4	14461	0866	4255
Homo sapiens proliferation-associated SNF2-like protein (SMARCA6) mRNA, complete cds	TN	AF155827.1	1.60E+00	1.4	14460	9380	4255
Synechocystis sp. PCC6803 complete genome, 25/27, 3138604-3270709	NT	D64006.1	1.60E+00	1.3	14026	8932	3795
	EST_HUMAN		1.60E+00 W58426.1	2.5	13190	8082	2931
B.napus gene encoding endo-polygalacturonase	TN	X98373.1	1.60E+00 X98373.1	0.5		7344	2238
Mus musculus ST6GalNAcili gene, exon 2	NT	Y11344.1	1.60E+00	0.7	12320	7118	2003
Homo sapiens small proline-rich protein (SPRR3) gene, exons 1, 2, and 3 and complete cds	NT	AF077374.1	1.60E+00	1.3	12315	7113	1997
Homo sapiens lens epithelium-derived growth factor gene, alternatively spliced, complete cds	NT	AF199339.1	1.60年+00	6.1	12307	7104	1989
nx65c08.s1 NCI_CGAP_Av1 Homo sapiens cDNA clone IMAGE:1287118 similar to gb:D00723 GLYCINE CLEAVAGE SYSTEM H PROTEIN PRECURSOR (HUMAN);	EST_HUMAN	AA747059.1	1.70E+00	1.1		10157	5059
LEVANSUCRASE (BETA-D-FRUCTOFURANOSYL TRANSFERASE) (SUCROSE 6-	SWISSPROT	Q60114	1.70E+00	0.8	14569	9478	4356
oz43h05.x1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:1678137 3'	EST_HUMAN		1.70E+00	1.0	12633		2321
Homo sapiens chromosome 21 segment HS21C080	NT	AL163280.2	1.70E+00	1.2	12545		2225
LEVANSUCRASE (BETA-D-FRUCTOFURANOSYL TRANSFERASE) (SUCROSE 6- FRUCTOSYL TRANSFERASE)	SWISSPROT	Q60114	1.70E+00 Q60114	0.7	11381	6230	1092

Homo sapiens G-protein coupled receptor 14 (GFR14) gene, complete cus	ZT	AF140631.1	1.20E+00	1.1	12278	17079	ē	┪
pea seed-borne mosaic virus complete genome	NT .		1.20E+00	0.6	11476	6319	1187	_
pea seed-borne mosaic virus compiéte genome	NT		1.20€+00	0.6	11475	6319	1187	Т
Elaels cleifera sesquiterpene synthase mkna, complete cas	NT	AF080245.2	1.20E+00	1.9	11433	6280	1145	_
Homo sapiens hypothetical protein PKU30// (PKU30//), mKNA	NT	24234	1.20€+00	0.8		6008	88	_
HISTIDINE-RICH PROTEIN PRECURSOR (CLONE PHRE-III)	SWISSPROT		1.20E+00 P05228	1.3	11112	5957	808	_
HISTIDINE-RICH PROTEIN PRECURSOR (CLONE PHAP-III)	SWISSPROT		1.20E+00 P05228	1.3	11111	5957	808	_
HISTIDINE-RICH PROTEIN PRECURSOR (CLONE PHART-III)	SWISSPROT		1.20E+00 P05228	1.3	11110	5957	86	-1
3'	EST_HUMAN	1.20E+00 AA676246.1	1.20E+00	2.8	10916	5793	634	
zi22d08.s1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:431535								т
Plasmodium reichenowi partial 63/AMA-1 gene tor apical memorane anugen 1	NT.	AJ252087.1	1.30€+00	1.0	15140	10067		-
Plasmodium reichenowi partial 83/AMA-1 gene for apical membrane antigen 1	NT	1.30E+00 AJ252087.1	1.30E+00	1.0	15139	10067		1
Arabidopsis thaliana DNA chromosome 4, contig tragment No. 2	3 	AL161472.2	1.30€+00	1.3	14833	9737	4623	_1
Mus musculus alpha-spectrin 1, erythroid (Spha1), mknA	NT	6755621	1.30E+00	0.8	13164	8059	4502	7
Synechocystis sp. PCC6803 complete genome, 10/27, 1166669-1311234	N		1.30E+00 D90908.1	1.0	14128	8037	3902	7
Fugu rubripes gamma-aminobutyric acid receptor beta subunit gene, paruai cos; posto erythrocyte membrane protein (P55), synaptic vesicia-associated integral membrane protein (VAMP-1), proceilagen C-proteinase enhancer protein (PCOLCE) genes, complete comp	N	1.30E+00 AF016494.1	1.30E+00	1.0	13790	8688	3547	
Mus musculus alpha-specum 1, eryunolo (Spilar), illinux	Z	6755621	1.30E+00	=======================================	13164	8059	2909	
Cyprinus carplo MRPb and MASPb genes for mannose-binding lecure-associated serine protease (MASP) and MASP-related protein, complete cds	NT.	AB030447.1		2.1		7305	2196	
Chiamydia muridarum, section 66 of 85 of the complete genome	N	AE002338.2	1.30E+00	0.8		6719	1593	$\neg$
tc24e03.x1 Soares_total_fetus_Nb2HF8_9w Homo saplens cDNA clone iMAGE:2065564 3' similar to contains Alu repetitive element;contains element MER22 repetitive element;	EST_HUMAN	Al375930.1	1.30E+00	1.4		6489	1361	
Coix lacryma-jobi dihydrodipicolinate synthase (dapA) gene, complete cus	NT	U61730.2	1.30E+00	0.6		6463	1334	1
Homo saplens zinc finger protein 157 (HZF22) (ZNF157) mRNA	NT	4507998	1.30E+00	3.7	11566	6405	1275	7
Homo saplens zinc finger protein 157 (HZF22) (ZNF157) mRNA	T	4507998 NT	1.30E+00	. 3.7	11565	8405 05	1275	Т
Homo sapiens putative psihHbA pseudogene for hair keratin, exons 2 to 7	NT	Y19213.1		5.6		8 8 8 8	1113	Т
Cantharellus sp. partial 25S rRNA gene, isolate Tibet	TN			0.9	11191	6032	488	Т
Homo saplens chromosome 21 segment HS21C010	TN	ž		0.8		7862	572	T
M.mucedo gene encoding 4-Dihydromethyl-trisporate dehydrogenase	NT T			0.6		5720	558	Т
Methanococcus jannaschii section 129 of 150 of the complete genome	TN	1.78579N		0.6	10563	5436	248	Т
Methanococcus Jannaschil section 129 of 150 of the complete genome	NT	U67587.1		0.6	10582	\$436 36		Т
	SWISSPROT		1.40E+00	0.8		10232	_	П
CM0-NN1005-140300-286-h06 NN1005 Homo sapiens cDNA	EST_HUMAN		1.40E+00	1.1	14368	9288	4162	Т
CM0-NN1005-140300-286-h06 NN1005 Homo sapiens cDNA	EST_HUMAN	1.40E+00 AW900455.1	1.40E+00	1.1	14367	9288	4162	T
Homo sapiens Mad4 homolog (MAD4) mRNA	NT	3733		0.9		8437	3291	T
Chiamydia mundarum, section 55 of 85 of the complete genome	TN		1.40€+00	1.0	13288	8186	3034	Т
Chiamydia muridarum, section 55 of 85 of the complete genome	NT	AE002324.2	1.40E+00	1.0	13287	818	3034	$\neg$

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8396 8456 8457 8457 8789 13882 8466 13570 8422 14513 9433 9433 9433 9437 14634 9580 14677 9605 8457 12160 8021 13123 8122 13229 8122 13230 8122 13230 8122 13230 8122 13230 8122 13230 8122 13230 8123 13541 13542 13542 13542 13542 13542 13542 13542 13542 13542 13542 13543 13542 13543 13542 1354
8396   2.9   1.20E+00   P54910   SWISSPROT   R455   13570   0.8   1.20E+00   MF189740.1   NT   R789   13882   7.3   1.20E+00   MF189740.1   NT   R789   13882   7.3   1.20E+00   MF189740.1   NT   R789   R
8396   2.9   1.20E+00   P54910   SWISSPROT   R456   13570   0.8   1.20E+00   M81779.1   NT   R789   13892   7.3   1.20E+00   J75902.1   NT   R789   13892   7.3   1.20E+00   J75902.1   NT   R789   R456   13570   1.1   1.20E+00   J75902.1   NT   R456   R457   R
8396 2.9 1.20E+00 P54910 SWISSPROT 68456 13570 0.8 1.20E+00 M81799.1 NT 8457 1.0 1.20E+00 M81799.1 NT 9493 1.4 1.20E+00 M87050.1 NT 9542 14634 1.3 1.20E+00 M817050.1 NT 9542 14634 1.3 1.20E+00 M817050.1 NT 9605 14677 1.8 1.20E+00 M81707.1 NT 9605 14677 1.8 1.20E+00 M81705.1 NT 9605 14677 1.8 1.20E+00 M81707.1 NT 9605 14677 1.9 1.00E+00 M81707.1 NT 9605 12028 1.4 1.10E+00 AW995393.1 EST_HUMAN 6849 12028 1.4 1.10E+00 AW995393.1 EST_HUMAN 9607 12160 0.8 1.10E+00 AW975889.1 EST_HUMAN 9607 13229 0.8 1.10E+00 AL163213.2 NT 9796 13890 1.2 1.10E+00 AE003886.1 NT 9796 13890 1.0 1.10E+00 AE003886.1 NT 9796 13890 1.
8396 2.9 1.20E+00 P54910 SWISSPROT R456 13570 0.8 1.20E+00 AF188740.1 NT R789 13882 7.3 1.20E+00 U75902.1 NT R789 13882 7.3 1.20E+00 U75902.1 NT R789 13882 7.3 1.20E+00 AF188740.1 NT R7892 14513 1.4 1.20E+00 AF188740.1 NT R7892 14634 1.3 1.20E+00 AF188740.1 NT R7892 14634 1.3 1.20E+00 AF188740.1 NT R7892 14634 1.3 1.20E+00 AF186495.1 NT R7892 120E+00 AF186495.1 NT R7892 120E+00 AF186495.1 NT R7892 120E+00 AF186495.1 NT R7892 13229 0.8 1.10E+00 AF186495.1 NT R7892 13229 0.8 1.10E+00 AF186213.2 NT R7892 13230 0.8 1.10E+00 AF186213.2 NT R7892 13230 0.9 1.10E+00 AF186213.2 NT R7892 13230 1.0 1.10E+00 AF1862313.2 NT R78922641 NT R
8396 2.9 1.20E+00 P54910 SWISSPROT 6456 13570 0.8 1.20E+00 M81779.1 NT 8456 13882 7.3 1.20E+00 U75902.1 NT 9493 1.6 13570 1.1 1.20E+00 M81760.1 NT 9542 14634 1.3 1.20E+00 M81760.1 NT 9565 14677 1.8 1.20E+00 M81760.1 NT 9565 1276 0.9 1.10E+00 M81779.1 NT 9565 1276 0.9 1.10E+00 M81779.1 NT 9565 1276 0.9 1.10E+00 AF188740.1 NT 9567 1276 0.9 1.10E+00 AW995393.1 EST_HUMAN 6975 12329 0.8 1.10E+00 AW995393.1 EST_HUMAN 8583 13542 6.6 1.10E+00 AL163213.2 NT 9796 13889 1.2 1.00E+00 AE003886.1 NT 9796 13889 1.2 1.00E+00 AE003886.1 NT 9796 13890 1.2 1.10E+00 AE003886.1 NT
8396   2.9   1.20E+00   P54910   SWISSPROT   6456   13570   0.8   1.20E+00   M81779.1   NT   749493   13882   7.3   1.20E+00   M81779.1   NT   749493   1.4   1.20E+00   M81760.2   NT   749493   1.1   1.20E+00   M81779.1   NT   749493   1.1   1.20E+00   M81779.1   NT   749493   1.1   1.10E+00   M81779.1   NT   749493   1.1   1.10E+00   M81779.1   NT   M1   M1   M1   M1   M1   M1   M1   M
8396   2.9   1.20E+00   P54910   SWISSPROT   6455   13570   0.8   1.20E+00   AF188740.1   NT   1.0   1.20E+00   M81779.1   NT   1.0   1.
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT         120E+00         M81778.1         NT         120E+00         M81780.1         NT         120E+00         M81780.1         NT         120E+00         M817960.1         NT         120E+00         M817920.1         NT         120E+00         M817920.1         NT         NT         120E+00         M817920.1         NT         NT         NT         120E+00         M817920.1         NT         <
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT         NT           8457         1.0         1.20E+00         M81778.1         NT         NT         NT           8789         13882         7.3         1.20E+00         W175902.1         NT         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT         NT           9493         1.6         1.20E+00         AK161509.2         NT         NT           9580         14677         1.8         1.20E+00         AK161509.2         NT           9605         457         0.9         1.20E+00         AK161509.2         NT           9675         12160         0.9         1.20E+00         AK16179.1         NT           9675         12160         0.9         1.10E+00         AW9575889.1         RST_HUMAN           8122         13230         0.8         1.10E+00         AK163213.2         NT           9409         13542
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT         NT           8457         1.0         1.20E+00         M81778.1         NT         NT         NT           8789         13882         7.3         1.20E+00         AF188740.1         NT         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT         NT           8457         1.6         1.20E+00         M87060.1         NT         NT           9605         1.4877         1.8         1.20E+00         M81779.1         NT           9605         1.7         1.3         1.20E+00         M81779.1         NT           9605         1.1         1.10E+00         D86980.1         NT           9675         1.2160         0.9         1.10E+00         AW995393.1         EST_HUMAN           8122         1.3229         0.8         1.10E+00         AB040955.1         NT           8433         1.3541         6.6 <td< td=""></td<>
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT         NT           8457         1.0         1.20E+00         M81778.1         NT         NT         NT           8457         13882         7.3         1.20E+00         M81779.1         NT         NT           8789         13882         7.3         1.20E+00         AF188740.1         NT         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT         NT           9422         14513         1.4         1.20E+00         M87060.1         NT         NT           9437         1.6         1.20E+00         AF156495.1         NT         NT         NT           9580         14677         1.8         1.20E+00         M81779.1         NT         NT           9675         12160         0.9         1.10E+00         AW995393.1         EST_HUMAN           8122         13230         0.8         1.10E+00         AB040955.1         N
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT         NT           8457         1.0         1.20E+00         M81778.1         NT         NT         NT           8457         13882         7.3         1.20E+00         M81779.1         NT         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT         NT           8422         14513         1.4         1.20E+00         AF18690.1         NT         NT           9433         1.6         1.20E+00         M87060.1         NT         NT         NT           9542         14677         1.8         1.20E+00         AF156495.1         NT         NT           9605         5.4         1.20E+00         M81779.1         NT         NT           8437         0.9         1.10E+00         AW995393.1         EST_HUMAN           89021         13123         1.0         1.10E+00         AW995393.1         EST_HUMAN           8
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT         NT           8457         1.0         1.20E+00         M81779.1         NT         NT         NT           8789         13882         7.3         1.20E+00         AF188740.1         NT         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT         NT           8422         14513         1.4         1.20E+00         AF188740.1         NT         NT           9493         1.6         1.20E+00         M87060.1         NT         NT           9580         14677         1.8         1.20E+00         AF156495.1         NT           9605         5.4         1.20E+00         AF156495.1         NT           9632         10749         1.1         1.10E+00         AW995393.1         EST_HUMAN           6975         12160         0.9         1.10E+00         AW995393.1         EST_HUMAN           8021         13123         1.0         1.10E+00         AW995393.1         EST_HUMAN           8122         13230         0.
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT         NT           8457         1.0         1.20E+00         M81779.1         NT         NT         NT           8789         13882         7.3         1.20E+00         AF188740.1         NT         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT         NT           8422         14513         1.4         1.20E+00         AF188740.1         NT         NT           9493         1.6         1.20E+00         M87060.1         NT         NT           9580         14677         1.8         1.20E+00         AF156495.1         NT           9605         5.4         1.20E+00         AF156495.1         NT           9632         10749         1.1         1.10E+00         AB1779.1         NT           9637         12160         0.9         1.10E+00         AW995393.1         EST_HUMAN           8021         13123         1.0         1.10E+00         AW995393.1         EST_HUMAN           8122         13230         0.8
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT         NT           8457         1.0         1.20E+00         M81779.1         NT         NT         NT           8457         13882         7.3         1.20E+00         M81779.1         NT         NT           8789         13882         7.3         1.20E+00         AF188740.1         NT         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT         NT           9422         14513         1.4         1.20E+00         AF188740.1         NT         NT           9493         1.6         1.20E+00         M87060.1         NT         NT           9542         14634         1.3         1.20E+00         AF156495.1         NT           9650         14877         1.8         1.20E+00         AF156495.1         NT           9671         0.9         1.20E+00         AB1779.1         NT           96849         12028         1.4         1.10E+00         AW995393.1         EST_HUMAN           8021         13123 <td< td=""></td<>
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT         NT           8457         1.0         1.20E+00         M81779.1         NT         NT         NT           8457         13882         7.3         1.20E+00         AF188740.1         NT         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT         NT           9422         14513         1.4         1.20E+00         AF188740.1         NT         NT           9433         1.6         1.20E+00         M87060.1         NT         NT           9542         14634         1.3         1.20E+00         AF156495.1         NT           9580         14677         1.8         1.20E+00         AF156495.1         NT           9605         0.9         1.20E+00         M81779.1         NT           9437         0.9         1.20E+00         M81779.1         NT           9643         1.0         0.9         1.10E+00
8396 2.9 1.20E+00 P54910 SWISSPROT R456 13570 0.8 1.20E+00 AF188740.1 NT R457 1.0 1.20E+00 M81779.1 NT R457 13882 7.3 1.20E+00 U75902.1 NT R456 13570 1.1 1.20E+00 AF188740.1 NT R456 13570 1.1 1.20E+00 AF188740.1 NT R456 13570 1.1 1.20E+00 M87060.1 NT R452 14513 1.4 1.20E+00 M87060.1 NT R452 14634 1.3 1.20E+00 M87060.1 NT R542 14634 1.3 1.20E+00 AF186495.1 NT R5622 10749 1.1 1.20E+00 M81779.1 NT R665 10749 1.1 1.20E+00 M81779.1 NT R6649 12028 1.4 1.10E+00 D86980.1 NT R6649 12028 1.4 1.10E+00 D86980.1 EST_HUMAN R66975 12160 0.9 1.10E+00 AW995393.1 EST_HUMAN R66975 12160 0.9 1.10E+00 AW9575889.1 EST_HUMAN
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT           8457         1.0         1.20E+00         M81778.1         NT           8457         13882         7.3         1.20E+00         U75902.1         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT           9422         14513         1.4         1.20E+00         M87060.1         NT           9493         1.8         1.20E+00         M87060.1         NT           9542         14634         1.3         1.20E+00         AL161509.2         NT           9580         14677         1.8         1.20E+00         AF186495.1         NT           9605         5.4         1.20E+00         M81779.1         NT           9605         0.9         1.20E+00         M81779.1         NT           9605         0.9         0.9         1.20E+00         AF186495.1         NT           9605         0.9         0.9         0.9         NT         NT           9605         0.9         0.9         0.9         NT
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT           8457         1.0         1.20E+00         M81778.1         NT           8789         13882         7.3         1.20E+00         U75902.1         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT           9422         14513         1.4         1.20E+00         AB7660.1         NT           9493         1.6         1.20E+00         M87660.1         NT           9542         14634         1.3         1.20E+00         AF18509.2         NT           9605         14677         1.8         1.20E+00         AF156495.1         NT           9605         5.4         1.20E+00         M81779.1         NT           9605         0.9         1.20E+00         M81779.1         NT           9605         0.9         1.20E+00         D86980.1         NT
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT           8457         1.0         1.20E+00         M81778.1         NT           8789         13882         7.3         1.20E+00         U75902.1         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT           9422         14513         1.4         1.20E+00         AB7060.1         NT           9493         1.6         1.20E+00         M87060.1         NT           9542         14634         1.3         1.20E+00         AL161509.2         NT           9580         14877         1.8         1.20E+00         AF156495.1         NT           9605         5.4         1.20E+00         M81779.1         NT           8457         0.9         1.20E+00         M81779.1         NT
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT           8457         1.0         1.20E+00         M81778.1         NT           8789         13882         7.3         1.20E+00         U75902.1         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT           9422         14513         1.4         1.20E+00         6980951         NT           9493         1.8         1.20E+00         M87660.1         NT           9542         14634         1.3         1.20E+00         AL161509.2         NT           9605         14677         1.8         1.20E+00         AF156495.1         NT
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT           8457         1.0         1.20E+00         M81778.1         NT           8789         13882         7.3         1.20E+00         U75902.1         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT           9422         14513         1.4         1.20E+00         M87060.1         NT           9493         1.6         1.20E+00         M87060.1         NT           9542         14634         1.3         1.20E+00         AL161509.2         NT           9580         14877         1.8         1.20E+00         AF156495.1         NT
8396 2.9 1.20E+00 P54910 SWISSPROT 8456 13570 0.8 1.20E+00 AF188740.1 NT 8456 13570 1.0 1.20E+00 M81778.1 NT 8789 13882 7.3 1.20E+00 U75902.1 NT 8456 13570 1.1 1.20E+00 AF188740.1 NT 9422 14513 1.4 1.20E+00 M87060.1 NT 9493 1.6 1.20E+00 M87060.1 NT 9493 1.6 1.20E+00 M87060.1 NT
8396         2.9         1.20E+00         P54910         SWISSPROT           8456         13570         0.8         1.20E+00         AF188740.1         NT           8457         1.0         1.20E+00         M81779.1         NT           8769         13882         7.3         1.20E+00         U75902.1         NT           8456         13570         1.1         1.20E+00         AF188740.1         NT           9422         14513         1.4         1.20E+00         M87060.1         NT           9493         1.8         1.20E+00         M87060.1         NT
8396 2.9 1.20E+00 P54910 SWISSPROT 8456 13570 0.8 1.20E+00 AF188740.1 NT 8457 1.0 1.20E+00 M81779.1 NT 8789 13882 7.3 1.20E+00 U75902.1 NT 8456 13570 1.1 1.20E+00 AF188740.1 NT 9422 14513 1.4 1.20E+00 6980951 NT
8396 2.9 1.20E+00 P54910 SWISSPROT 8456 13570 0.8 1.20E+00 AF188740.1 NT 8457 1.0 1.20E+00 M81779.1 NT 8789 13882 7.3 1.20E+00 U75902.1 NT 8456 13570 1.1 1.20E+00 AF188740.1 NT
8396 2.9 1.20E+00 P54910 SWISSPROT 8456 13570 0.8 1.20E+00 AF188740.1 NT 8457 1.0 1.20E+00 M81779.1 NT 8789 13882 7.3 1.20E+00 U75902.1 NT
8396 2.9 1.20E+00 P54910 SWISSPROT 8456 13570 0.8 1.20E+00 AF188740.1 NT 8457 1.0 1.20E+00 M81779.1 NT
8396 2.9 1.20E+00 P54910 SWISSPROT 8456 13570 0.8 1.20E+00 AF188740.1 NT
8396 2.9 1.20E+00 P54910 SWISSPROT
1.20E TOO (AL 10 1000.1
8277 13383 5.4 1.20E+00 AL161563.2 NT
8223 13321 1.0 1.20E+00

Drosophila melahogastar regulator of G-protein eighteining COOC in mister, compress see	Z	AF245455.1	9.90E-01	0.8	11848	6680	15
	N.	AF245455.1	9.90E-01	0.8		6680	1553
	N.	AJ223978.1	1	0.9	15309		5139
Rettus norvegicus mknA for N-acetygiucusaminyuamsierase iii, wiiipiere co	N	D10852.1	1.00E+00 D10852.1	0.9		10056	4951
Homo sapiens chromosome 21 segment Hoza Cubi	NT	1.00E+00 AL163281.2	1.00E+00	0.9	15054	6966	4862
Taenia ovis 45vV antigen (Tovv4) gene, complete cos	N	U75741.1	1.00E+00	6.0			4815
E1A-ASSOCIATED PROTEIN P300	SWISSPROT	Q09472	1.00€+00	5.9		_	4632
Homo sapiens hypothetical protein FLJ10138 (FLJ10138), mknx		8922245	1.00E+00	0.8		9304	4178
	NT	AF223391.1	1.00E+00	0.9	14192	9110	3978
protein, complete cds	NT	U89198.1	1.00E+00	1.3	13916	8822	3683
George velox cylochrome b (cytb) gene, mitochondrial gene encoding mitochondrial	12	1.08180	1.000	1.3	13915	8822	3683
Geococcyx velox cytochrome b (cytb) gene, mitochondrial gene encoding mitochondrial protein, complete cds	T	190108 4		3			
	NT	AJ223816.1	1.00E+00	1.4	13860	8766	3627
Xenopus laevis modopsin gene, complete cas	NT	U23808.1	1.00E+00	1.2		5299	3548
Rattus norvegicus neuromedin U precursor (NmU) gene, exons o ario o	Z	AF222761.1	1.00E+00	0.8		8471	3327
Ipomoea batatas cysteine protease mkna, complete cos	ZT	AF260827.1	1.00E+00	1.9	13530	8422	3277
af26g08.s1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA cione IMAGE:1032830 3' similar to WP:C42D8.3 CE04204 ;contains element MER22 MER22 repetitive element ;	EST_HUMAN	AA628453.1	1.00E+00	1.2	13423	8311	3162
HYPOTHETICAL 67.9 KU PROTEIN COFTIZUOCIN CHROMOSOMILT	SWISSPROT	014226	1.00E+00	1.0		8089	2938
	SWISSPROT	P24008	1.00E+00 P24008	3.5	13094	7997	2846
DECOUNTY OF A STEED OF A DEAL DEDITIONS	SWISSPROT	P24008	1.00E+00	3.5	13093	7997	2846
(83) genes, complete cus	NT	AF131205.1	1.00E+00	1.1	12940	7740	2651
Mus musculus Serf1 protein (Serf1), survival of motor neuron protein (Srim), reuronal apoptosis inhibitory protein-rs6 (Naip-rs6), and neuronal apoptosis inhibitory protein-rs3 (Naip-rs6).							
	SWISSPROT	P48355	1.00E+00 P48355	0.5	12741	7534	2435
DNA GYRASE SUBUNIT B	SWISSPROT	P48355	1.00E+00 P48355	0.5	12740	7534	2435
PROCOLIPASE A PRECURSOR	SWISSPROT	P02704	1.00E+00 P02704	0.5	·	7092	1977
complete cds	NT	1.00E+00 AB006531.1	1.00€+00	1.3	12024	6845	1722
ļ	NT	X80416.1	1.00E+00	1.0		7914	1364
Aedes aegypti mucin-like protein MUC1 mRNA, complete cas	NT	AF125984.1	1.00€+00	1.0		5819	දිසි
Homo sapiens chromosome 21 segment HS21C018	NT	AL163218.2	1.00€+00	1.5	10945	5817	8
Girardia tigrina mRNA for homeodomain transcription factor (so gene)	TI	AJ251660.1	1.00E+00	1.1	10840	5724	562
Marchantia polymorpha genes for 26S rRNA, 5S rRNA, 18S rRNA, 5.8S rRNA and 26S rRNA	Z	AB021684.1	1.00€+00	0.7		5580	412
Cavia cobaya mRNA for serine/threcine kinase, complete cds	NT		1.00E+00 D88425.1	-1	10436	5311	108

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I WITO CONTROL	0141	030103	0./02-01	1.1	12662	7455	23
Homo saniens AT-binding transcription factor 1 (ATBF1), mRNA	3 NT		0.700		2000	1	
Homo sapiens SOS1 (SOS1) gene, partial cds	NT	-	8 70F-01	2	10750		72.7
PUTATIVE F420-DEPENDENT NADP REDUCTASE	SWISSPROT	026350	8.80E-01	3.3	14658	Т	4442
Drosophila melanogaster enhancer of polycomb (E(Pc)) mkNA, complete cus	NT	AF079764.1	8.80E-01	1.5	14204	9120	3988
Chlamydia trachomatis section 85 of 87 of the complete genome	NT	AE001358.1	8.80⊑-01	0.7	11357	6202	1064
	NT	AE001358.1	8.80E-01	0.7	11356	$\neg$	1064
	NT.	AF017729.1	9.00E-01	0.8	15121		4945
Mus musculus L23 mitochondrai-related protein (L23mp) gene, complete cus	4	U84903.1	9.00E-01	1.5	15104	$\neg$	4919
Homo sapiens neurexin III-alpha gene, partial cas	NT	AF099810.1	9.00E-01	2.4	14491	9407	4282
Homo sapiens DKFZP564M2423 protein (UKFZP564M2423), ITIKINA	5 NT	7681625 NT	9.00⊑-01	0.9	13432	8319	3170
ye85e12.s1 Soares fetal liver spieen TNFLS HOMO sajemis CDNA Guire MANGE. 127000 Similar to gb:K03002 60S RIBOSOMAL PROTEIN L32 (HUMAN):	EST_HUMAN	R02285.1	9.00E-01	4.8	11578	6415	1285
Rattus norvegicus mucin (MUCZ) gene, paruai cos	Z	U68172.1	9.10E-01	0.9	14523	9433	4310
LLAB200GBK Intent brain, LLNL array of Dr. M. Sources INID From September 2010 No. 1000 Co. LLAB200GB 5'	EST_HUMAN	T26418.1	9.10E-01	1.0	13431	. 8318	3169
	EST_HUMAN	T26418.1	9.10E-01	1.0	13430	8318	3169
Appropries Infant hash I I NI array of Dr. M. Spares 1NIB Homo sapiens cDNA clone	N	9573030	9.10E-01	0.5		7189	2077
S.Cerevisiae chromosome IV reading frame OKT 101048) mRNA	N N	Z74263.1	9.20E-01	1.0	13891	8797	3658
Equus caballus microsatellite LEXVI3	3	AF075615.1	9.30E-01	1.5		10250	5155
Calothrix cpcB3 and cpcA3 gene for phycocyanin 3 subunits beta and alpha	NT	X06083.1	9.30E-01	1.3	14779	9686	4567
Bovine papillomavirus type 2, complete genome	NT	M20219.1	9.30E-01	0.8	14163	9082	3949
Bovine papillomavirus type 2, complete genome	NT	M20219.1	9.30E-01	0.8	14162	9082	3949
RC5-BT0503-271199-011-B01 BT0503 Homo sapiens cDNA	EST_HUMAN	BE071172.1	9.30E-01		12889	7686	2594
Homo saplens phylanoyl-CoA hydroxylase (PHYH) gene, exon 5	NT	AF242382.1	9.30E-01	2		6B23	1700
Pimpinella brachycarpa zinc finger protein (ZFP1) mRNA, complete cds		AF080595.1	9.40⋶-01	1.7		8330	3181
Bartonella clarridgelae RNA polymerase beta subunit (rpoB) gene, partial cds	N.T	AF165990.1	9.40E-01	3.4		2314	3185
Mus musculus catenin src (Catns), mRNA	NT	6671685	9.40E-01	0.8	11377	6225	1087
Mus musculus catenin src (Catns), mRNA	NT	6671685	9,40Ё-01	0.8	11376	6225	1087
IRON-REGULATED TRANSCRIPTIONAL REPRESSOR AFT1	SWISSPROT	P22149	9.50E-01	1.5	13447	8335	3186
Homo sapiens KIAA0914 gene product (KIAA0914), mRNA	NT	7662375 NT	9.60E-01	0.9	15261	10181	5083
PM2-UM0053-240300-005-f12 UM0053 Homo saplens cDNA	EST_HUMAN	AW799674.1	9.60E-01	1.3	14568	9477	4355
Bromus inermis putative cytosolic phosphoglucomutase (pgm1) mRNA, complete cos	NT	AF197925.1	9.60E-01	6.8	14549	9466 66	4337
Bromus Inermis putative cytosolic phosphoglucomutase (pgm1) mRNA, complete cds		AF197925.1	9.60E-01	6.8	14548	9460	4337
Homo sapiens ASCL3 gene, CEGP1 gene, C11or114 gene, C11or115 gene, C11or115 gene and C11or117 gene	Z	AJ400877.1	9.60E-01	0,6	12935	7734	2645
	EST_HUMAN	AI660384.1	9.70E-01	1.0		10202	5106
AMINO-ACID ACETYLTRANSFERASE (N-ACETYLGLUTAMATE STRITASE)	SWISSPROT	P22567	9.80E-01	0.8	10797	5676	512
Apple mosaic virus RNA 2 putative polymerase gene, complete cos	N.T	AF174585.1		1.2		8693	3553
Homo saplens chromosome 21 segment HS21C102		AL163302.2	9.90E-01	0.9	12892	7689	2598

Mus musculus gene for oviduciai glycoprotein, complete cus	NT	AB006193.1	8.00E-01	1.1	13525	8418	37
Salmiri boliviensis olfactory receptor (SBO27) gene, partial cds		AF127897.1		2.7	13293	8191	3039
Lesculentum DNA Ailsa craig encoding 1-aminocyclopropane-1-carboxylic acid oxidase		Z54199.1	8.00E-01	1.2	11902	6730	1603
Drosophila emericana taxana strain LP97.09 transformer (tra) gene, tra-U_am.01 silete, partial cds	NT	AF208153.1	8.00E-01	1.1	11063	5916	763
	NT	AJ132772.1	8.00E-01	1.3	10602	5472	285
Staphylococcus aureus partial pta gene for phosphate actyliransferase allele 15	NT	AJ271510.1	8.00E-01	1.0		5364	170
	NT	AF055066.1	8.10E-01	2.8	13663	85 20 20	3412
Homo saplens MHC class 1 region	NT	AF055066.1	8.10E-01	2.8	13662	8554	3412
Mus musculus TANK binding kinase TBK1 (Tbk1) mRNA, complete cds		AF191839.1	8.10E-01	1.3		7815	2731
		7662295 NT	8.20E-01	1.2	14520	9431	4308
	THUMAN	AW376990.1	8.20E-01	1.1		7735	2646
	NT	AF145589.1	8.20E-01	0.5		7156	2043
Canis familiaris MHC DLA Class II DRB pseudogene DRBZ	NT	U46916.1	8.30E-01	1.0	15103	10024	5177
Canis familiaris MHC DLA Class II DRB pseudogene DRB2	NT	U46916.1	8.30E-01	1.0	15102	10024	5177
Canis familiaris MHC DLA Class II DRB pseudogene DRBZ		U46916.1	8.30E-01	1.1	15103	10024	4917
Canls familiaris MHC DLA Class II DRB pseudogene DRBZ		U46916.1	8.30E-01	1.1	15102	10024	4917
Fugu rubripes putative neurotransmitter receptors, YDK140w nomolog, and glycinamide ribonucleotide transformylase (GART) genes, complete cds	ZT	AF083221.1	8.30E-01	1.9		9742	4628
	NT	AB010879.1	8.30E-01	1.0	13966	8876	3739
Arabidopsis thaliana DNA chromosome 4, contig fragment No. 18		AL161506.2	8.30E-01	2.6	13306	8207	3056
Thermus thermophilus cytochrome c-552 (cycA) and CycB (cycB) genes, complete cds	NT	M93437.1	8.30E-01	0.8	11018	5878	724
7H14C04 Chromosome 7 HeLa cDNA Library Homo sapiens cDNA clone /H14CU4	EST_HUMAN 7	AA078112.1	8.40E-01	1.0	15223	10145	5045
Mus musculus NK cell receptor 2B4 gene, promoter region and partial cds	NT	AF143509.1		0.8	14317	9234	4108
7H14C04 Chromosome 7 HeLa cDNA Library Homo sapiens cDNA clone 7H14C04	EST_HUMAN 7	AA078112.1		1.1	12321	7120	2006
gh11b01.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1844329 3'	EST_HUMAN q	Al215419.1		3.1	14151	98	3930
Chlamydophila pneumoniae AR39, section 67 of 94 of the complete genome	NT	AE002239.2		1.0	15224	10146	5046
Drosophila melanogaster merlin (Dmerlin) mRNA, complete cds	NT	U49724.1		1.3	13959	8867	3730
Arabidopsis thallana DNA chromosome 4, contig fragment No. 65	NT IN	AL161565.2	8.60E-01	0.8	13805	8707	3568
Homo sapiens cytochrome P450, subfamily XXVIIA (steroid Z7-hydroxylase, cerebrotendinous xanthomatosis), polypeptide 1 (CYPZ7A1b) mRNA	NT	4503210	8.60E-01	1.0	12544	7331	2224
zd44e03.rl Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:343516 5'	EST_HUMAN Z	1.68069M	8.60E-01	1.2	11150	5989	<b>84</b> 6
Rat IGFII gene for insulin-like growth factor II	NT	X17012.1	_	0.6		5631	
Pseudomonas aeruginosa topolsomerase (top), putative transcriptional regulatory protein OhbR (ohbR), ortho-halobenzoate 1,2-dioxygenase beta-ISP protein OhbA (ohbA), OhbC (ohbC), ortho-halobenzoate 1,2-dioxygenase alpha-ISP protein OhbB (ohbB), and put>	NT C F	AF121970.1	8.70E-01	2.5		10044	4938
nn05f11.s1 NCI_CGAP_Pr4.1 Homo sapiens cDNA clone IMAGE:1076877	EST HUMAN n	8.70E-01 AA595863.1	8.70E-01	4.6	13092	7996	2845

					10.02	300	100
Homo sapiens hypothetical protein FLJ10793 (FLJ10793), mRNA	1	8922672 NT	7.50E-01	13.9	10432	5305	457
C14203 Clontech human aorta polyA+ mRNA (#8572) Homo sapiens cUNA cione GEN- 037E11 5'	EST_HUMAN	C14203.1	7.50E-01	0.9	13572	8460	3315
symbol (PKO2) mRNA	NT	4505834 NT	7.50E-01	0.9		7087	1972
gene, exon 5	ZT	AF020503.1	7.50E-01	0.8	10847	5730	569
	TN	AL163301.2	7.50E-01	0.5		5666	502
Cotumix cotumix japonica sub-species japonica beta-acun mkna, paruai cus	N	AF199488.1		2.9	14512	9421	4297
Coturnix coturnix japonica sub-species japonica beta-acun mkna, paruai cus	NT	AF199488.1	7.70E-01	2.9	14511	9421	4297
Mus musculus cytokine inducible SH2-containing protein (Cisn), mknx	NT	53425	7.70E-01	2.3		8859	3722
Homo saplene PRO1975 mRNA, complete cds	NT	AF118085.1	7.70E-01	4.5	13791	8689	3549
Homo sapiens UDF-N-acety-aipha-D-gaiactosamine:poypepude N-acetylgaiactosaminyltransferase 7 (GalNAc-T7) (GALNAC-T7), mRNA	NT	8393408 NT	7.70E-01	0.8		8458	3313
CITRATE SYNITANE	SWISSPROT	033915	7.70E-01	1.0	12968	7767	2680
	SWISSPROT	P02921		0.7	11073	5924	772
(MELIBIOSE PERMEASE) (NA+ (LI+)/MELIBIOSE SYMPORTER) (MELIBIOSE	,						
genes, complete cds; butyrophilin-like (NG9), butyrophilin-li>	NT	AF050157.1	7.70E-01	0.6		5863	709
Mus musculus major histocompatibility locus class II region: major histocompatibility protein class II alpha chain (IAsipha) and major histocompatibility protein class II beta chain (IEbeta)							
complete cds	NT	AF184345.1	7.70E-01	2.2	10464	5334	138
Native flowed waits from the ADD of those a pyrophosphorolage large subjust (AGP-L1) mRNA.	N	007303.1	7.80E-01	0.8	14810	9/1/	4603
Pattie conscious transmembrane recentor linc5H1 mRNA, complete cds	EOI TOWAIN	-		1.2	12548	7336	2229
COTOTAGET MACE recognished MACE Homo septeme CDNA			7.80E-01	0.6		6006	858
Human insulin receptor (allele 2) gene, exorts 14, 15, 10 and 17			_	1.0	ļ.	10182	5084
S pneumoniae dexB, cap3A, cap3B and cap3C genes and ons	NT		7.90E-01	8.0	15253	10173	5075
S.pneumoniae dexB, cap3A, cap3B and cap3C genes and orfs	NT	Z47210.1	_	0.8	15252	10173	5075
Mus musculus embigin (Emb), mRNA	NT	6753745	7.90E-01	1.0	14721	9827	4508
Mus musculus embigin (Emb), mRNA	ľ	53745	1	1.0	14720	9627	4508
601192033F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3535785 5'	EST_HUMAN			0.9		9329	4204
Gallus gallus SOX8 transcription factor (SOX8) mRNA, complete cds	T		7.90E-01	2.8	13725	8613	3472
Danio rerio Trp4-associated protein Tap1A (tap1A) mRNA, complete cds	NT			0.8	12539	7325	2217
Oryctolagus cuniculus mRNA for mitsugumin29, complete cds	NT	3.1		1.9	12538	7324	2216
Haemophilus influenzae Rd section 54 of 163 of the complete genome	NT			1.4		6760	1634
Homo saplens mRNA for KIAA1452 protein, partial cds	NT	AB040885.1		66.0		6713	1587
Ureaplasma urealyticum section 31 of 59 of the complete genome	NT	AE002130.1		1.2		5853	88
Lymantria dispar nuclear polyhedrosis virus gene for DNA polymerase, complete cds	NT			1.3	10743	5612	446
	NT			5.7	14647	9553	4432
Neisseria meningitidis serogroup A strain Z2491 complete genome; segment 7/7	NT	AL162758.2	8.00E-01	1.8		8782	3643

regulator gene, partial cds	NT	U69674.1	6.90E-01	5.4	11258	6100	98	
Candida albicans squalene epoxidase (CAERG1) gene, complete cds and translational		00001	0.000	١	11237	9	808	Τ
Candida albicans squarene epoxidase (CAERGT) gene, complete cas and denominant	<u> </u>	1169674 1	8 001 01	π Δ-	44057	90.0	3	$\neg$
Homo sapiens chromosome 21 segment HS21C1U1	3	AL163301.2	7.00E-01	2.0		7	4989	П
IMAGE:288708 3' similar to contains Alu repetitive element;	EST_HUMAN	N62412.1	7.00E-01	0.5	12706	7499	2399	
IMAGE:288708 3' similar to contains Alu repetitive element;	EST HUMAN	N62412.1	7.00E-01	0.5	12705	7499	2399	
HOMO Sapiens mixing for Alexandra Protection and Constitution of the Constitution of t	Z	AB014514.1	7.00E-01	1.0	11499	6340	1209	
Homo sapiens mkNA for KIAAU014 protein, partial cus	ZT	AB014514.1	7.00E-01	1.0	11498	6340	1209	
S. cerevisiae chromosome XII reading frame UKF YLX 1000	NT	Z73277.1	7.10E-01	0.8	14903	9800	4688	П
	NT	7305360 NT	7.10E-01	2.9	14326	9240	4114	٦
Mus musculus otogelin (Otog), mRNA	NT	7305360 NT	7.10E-01	2.9	14325	9240	4114	Ť
Homo sapiens partial TCF-4 gene for 1-cell transcription rector-4, excits 13-10	NT	AJ270777.1	7.10E-01	10.8	13277	8176	3024	۱,
Rana catesbelana mRNA for bullinog skeletal musica calcium release criaminer (yamounio receptor) alpha isoform(RyR1), complete cds	T	D21070.1 ·	7.10E-01	3.5	10963	5832	677	
	T	AF196779.1	7.20E-01	1.2	15239	10162	5064	
Homo saplens transcription factor (GHM enhancer 3, JM11 protein, JM4 protein, JM5 protein, T54 protein, JM10 protein, A4 differentiation-dependent protein, triple LIM domain protein 6, and synaptophysin genes, complete cds; and L-type calcium channel a>								
	IV.	1.ZUE-01  AF 1807/9.1	1.20E-01	1.2	15238	10162	506 <u>2</u>	:
Homo sapiens transcription factor IGHM enhancer 3, JM11 protein, JM4 protein, JM5 protein, T54 protein, JM10 protein, A4 differentiation-dependent protein, triple LIM domain protein 6, and synaptophysin genes, complete cds; and L-type calcium channel a>		AG406770 4	1	•				
L.mesenteroldes gene for sucrose phosphorylase (EU Z.4.1.1)	N	D90314.1	7.20E-01	2.4	14867	9772	4660	T
Candida albicans gene for phospholipase U, complete cas	NT ·	AB010810.1	7.20E-01	5.1		8873	3736	Т
complete cds	NT.	AF065606.1	7.20E-01	2.1	13656	8548	3406	:
Giardia intestinalis variant-specific surface protein (vsp417-6) gene, vsp417-6/A-i allete,			1.0-202.	1.2	13200	9100	3028	Τ
Fowthory virus, complete denome	ST 3	AE108100 1		3 0	27/20	7511	2412	Τ
Calling calling case for malanocodin 2-recentor complete ode	2			1.3	12219	7031	1914	Γ
Ranus norvegicus iniuaion racior-z kinase (eir-za) liinves, cumpieus cue	N.	•		0.9		5964	814	
Homo sapiens grown arrest specific ( GAS), nearenity variation, in west	N	5360211	7.30E-01	1.1		10222	5127	
4ได้	N	_		1.0	14726	9634	4515	
PM3-BT0764-130500-001-c03 B10764 Homo sapiens curva	EST HUMAN		7.40E-01	4.8	14809	9716	4602	Ī
Homo sapiens chromosome 21 segment HS21CU45		AL163246.2	7.40E-01	4.4	14421	9337	4213	٦
Malva pusilla actin (Act1) mRNA, complete cds	TN		_	1.2	13898	88 49 49	3665	٦
Homo sapiens mRNA for KiAA0534 protein, partial cds	NT	1	_	1.0	12608	7399	2295	T
m14b09.x1 NCI_CGAP_Bm25 Homo sapiens cUNA cione invacie:2107377 3 simulai w contains Alu repetitive element; contains element MIR repetitive element;	EST_HUMAN	AI598146.1	7.40E-01	1.2	11401	6251	1114	$\neg$
The state of the s								

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Homo sapiens SPP2 gene to secreted prosprioprocess: 27 processor; 2007	NT	AJ272265.1	6.50E-01	4.2	٦	1	
Homo saplens interieukin Tu receptor, alpita (IL IUNA) illina		4632	6.50E-01	1.1	٦	┑	3951
Mus musculus gene for Looz, complier cus	NT	AB041225.1	6.50E-01	5.1	П	~	3386
H.Vulgans Na,N-A i rase applia soccini iliano, wilipiow and	NI	M75140.1	6.50E-01	1.4	28801	П	608
H. Vulgaris Na, 7-7: rase apria suspinit mena complete cole	2	M75140.1	6.50E-01	1.4	10884	5766	608
gene, complete cus	ZT		6.60E-01	0.9		9149	4020
haemochromatosis (HLA-H) gene, RoRet gene, and sodium phosphate transporter (NPT3)							
U. man becellibry beamachromatosis region, histone 2A-like protein gene, hereditary	2	Y0/668.1	6.60E-01	3.1	13842	8747	3608
Calibrate random DNA marker 282bn	2	5.1	6.60E-01	1.1	13738	8625	3484
Domo pooling mBNA for MEGE2 partial cds	2	L	6.60E-01	1.+	13737	8625	3484
Line position move for MEGEO partial cds	2	0889	6.60E-01	1.0	13700	8587	3445
transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A (SEMA5A)	i						
Homo sapiens lens epithelium-derived growth factor gene, alternatively spliced, complete cas	NT	AF199339.1	6.60E-01	1.3	12954	7754	2667
Homo sapiens Scri i protein (Screz) ilinves, parantes	NT	AF075240.1	6.60E-01	0.9	12759	7551	2452
Dendrobium Impraturi (Impraturi priespiespiespiespiespiespiespiespiespiesp	N		6.70E-01	0.9	15343	10274	5182
xabog 12.X I NC COAT COTT to the spherophorophorophorophorophorophorophoro	ESI_HUMAN		6.70E-01	0.9	15070	9989	4881
School Sull links for glasses prospines of NA done IMAGE:2574598 3'	1		6.70E-01	1.0	14564	9472	4350
Mus musculus wishow rockers of the r	2	9978280	6.70E-01	3.7	13224	8117	2966
Wiskott Aldrich syndrome protein (Waso), mRNA	14.	AF 1000/3.1		1.3	12440	7935	2120
Drosophila melanogaster wistooc gene, complete cus, winding cost (Relish) gene, complete cus, complete cus, alternatively spliced; and transcription factor (Relish) gene, complete cus, alternatively spliced	<b>A</b>						
similar to contains element TART repetitive element;	EST_HUMAN	AA451864.1	6.70E-01	0.6	12419	7211	2100
	NT	AF213884.1	6.70E-01	6.7	10642	5517	336
	NT	AF213884.1	6.70E-01	10.0	10612	5481	295
Homo sapiens nevir (ne viv) inves	Z	4758521	6.80E-01	0.8	14952	9860	4749
Rat(hooded) prolactin gerie : exon lir and flamis	1		6.80E-01	1.3	14685	9589	4469
al75a05.s1 Soares_parathyroid_tumor_NbHPA Homo saplens cDNA cione imAGE: 1402200 3' similar to gb:X56411_ma1 ALCOHOL DEHYDROGENASE CLASS II PI CHAIN (HUMAN):	EST HUMAN	AA854475.1	6.80E-01	0.6	11894	6724	2799
Glardia intestinalis carbamate kinase gene, compress suo	N	AF017784.1	6.80E-01	1.0	11245	88 8	941
2811 TUSCUIUS IIININA NO IIIIIIUINGIODUII BUILLIA PARA PARA PARA PARA PARA PARA PARA PA	NT		6.90E-01	0.9	13649	8541	3399
Mus musculus rai guanne nucieudus dissociaturi summani (1807).	AT .	6677734 NT	6.90E-01	2.6	13599	8485	3341
Chlamydia muridarum, section 3 of 85 of the complete genotite	NT	AE002271.2	ш	1.6	13443	8331	3182
nn28a09.s1 NCI_CGAP_Gas1 Homo sapiens cDNA clone IMAGE:1085176 3'	EST_HUMAN	AA593530.1 E	6.90E-01	0.8	11581	812	1288

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TÉ	4129	3232	3232	2354	480	3744	1339	9	5 6	Agi	4931	4931	2956	2345	5002	4755	Soci	3805	2002	2534	2534	2116	1505	524	427	4389	4389	3410	252	5175	5031	4994	1	4215
6985	П	Т	٦	П	╗	П	6467	5	1	_		10037	8107	7447	10105	9866	Т	Т	Т	Т	Т	Т	6631	5688	· <del>5</del> 594	9511	9511	8552	5440	10269	10131	10097	3	9339
12169			13486		11284	13970	11635		Т	T	15110	15109			15173	14858	Τ	14200	T	T		12435	11800	10809	10728	14599	14598	13660	10567		15207	15164	-	14422
0.5	4.1	4.9	4.9	2.3	1.3	1.0	0.6	1	90	8.0	1.0	1.0	1.3	1.6	1.0	1.5		1	8.0	1.4	1.4	1.4	1.5	0.7	1.5	0.8	0.8	2.5	1.8	0.9	1.0	2.3		0.9
5.80E-01	5.90E-01	5.90E-01	5.90E-01	5.90E-01	5.90E-01	6.00E-01	6.00E-01		6.00E-01	6.00E-01	6.10E-01	6.10E-01	6.10E-01	6.10E-01	6.20E-01	0.205-01	8 200 0	6.30E-01	6.30Ε-01	6.30E-01	6.30⊑-01	6.30E-01	6.30E-01	6.30E-01	6.30E-01	6.40E-01	6.40E-01	6.40E-01	6.40E-01	6.50E-01	6.50E-01	6.50E-01		6.50E-01
1 P40472	1 AF162758.1	_	1 AL163267.2			1 AJ233398.1			_	1 D87675.1	1 L20427.1	1 L20427.1	AF153704.1	1	AI587039		_L	_1	_		U75331.1	U81136.1	AA365227.1	6.30E-01 U32689.1	P05228		_	↓_	1_	U37258.1	4826799	U28921.1		AL161539.2
SWISSPROT	N	NT	S	EST HUMAN		N	NT		TIN	NT	Z	3	2		EST HUMAN			N.T	NT	N	Š	NT	EST_HUMAN	2	WISSPROI	N-	Z	2	2	NT	NT	NT	İ	NT
SIM1 PROTEIN	Rattus norvegicus canezin z iliniyy, parua wa	Homo sapiens chromosome 21 segment nozitivor	Homo sapiens chromosome 21 seguina in 1921 Cost	WMZZIOLXT NOL CUMP OUR HORID Septemb CONS della importanti della company HS34CORY	Haemophilus initianzae nu secupii 10 of 100 of are complete general	Viral nemormagic sepucating viras is, i. w. C. w. E. Boncol	cds	Human respiratory syncytial virus strain CH93-53b attachment protein (G) gene, complete	Homo sapiens adaptor-related protein complex 3, mu 2 subunit (CLAZU), mkwk	Homo sapiens DNA for amyloid precursor protein, complete cus	Rattus norvegicus dihydroxypolyprenylbenzoale methyltransferase mRNA, complete cos	Rattus norvegicus dihydroxypolyprenylbenzoate methyltraristerase mixiva, complete cus	legally liella distribution of the state of	MUS (Illustratus secretor action of beaw chain (DYH8) gene, partial culs	contains element MSR1 repetitive element;	tr55d08.x1 NCI_CGAP_Pan1 Homo sapiens cDNA done IMAGE:2222223 3' similar to	Home sapiens major histocompatibility complex, class II, DO beta (HLA-DOB) mikina	D.melanogaster mRNA for metabotropic glutamate receptor	Lycopersicon esculentum p69a gene, complete CDS	Gallus gallus bone morphogenetic protein 1 (BMP1) mixiva, paruai cus	Gallus gallus bone morphogeneuc protein 1 (bivir 1) minute, participate		related protein 1	naemophilius illingeriate ita como saniens cDNA 5' end similar to similar to orthodenticle-	Discribition influentage Rd section 4 of 163 of the complete genome	MINUSCHUS WIN BRICK DRECKIRSOR (CLONE PEHRP-III)	M.musculus will gelie	Mus musculus dysuoglycam (Coo) Bone, com	Urosophila mellahogaster oko dyriair light creme 1 and 2 and complete cds	Acetobacter xylinum putative ATP binding protein delta-Acet gene, paruai cus, and corremannose:cellobiosyl-diphosphopotyprenol alpha-mannosyltransferse gene, complete cds		protein, partial cos	Phaseolus vulgaris ATPase gamma subunit mRNA, nuclear gene encoding mitocriorida	Arabidopsis thaliana DNA chromosome 4, contig fragment No. 39

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Drosophila melanogaster mRNA for 15,15' beta carotene dioxygenase (beta-diox gene)	NT	AJ276682.1	5.40E-01	0.8	12530	7317	2208
	NT.	AE002247.2	5.40E-01	1.0		7171	2059
QV4-NN0040-070400-160-004 NN0040 nome sapietis cons	EST_HUMAN	AW896087.1	5.40E-01	0.8	11538	6379	1250
(gstA) genes, complete cds; and unknown genes		AF232006.1	5.40E-01	0.9	10849	5731	570
(gstA) genes, complete cds; and unknown genes	N.	AF232006.1	5.40E-01	0.9	10848	5731	570
(KIAA0929), mRNA	N.T	7657266 NT	5.40E-01	1.3	10466	5335	139
(KIAA0929), mRNA	NT	7657266 NT	5.40E-01	1.3	10465	5335	139
FOS-RELATED ANTIGEN-T	SWISSPROT	P48755	5.50E-01	1.3	13867	8773	3634
Rabbit oral papillomavirus, complete genome	NT	AF227240.1	5.50E-01	3.1	13458	8345	3196
	EST_HUMAN	H46219.1	5.50E-01	1.4		8179	3027
Homo sapiens superkiller viralicidic activity 2 (S. cerevisiae homolog)-like (SKIV2L), mRNA	NT	5902085 NT	5.50E-01	1.3	13140	8039	2888
CORE SHELL PROTEIN P30; NUCLEOPROTEIN P10]	SWISSPROT	P03341	5.50E-01	1.0	12956	7755	2668
CORE SHELL PROTEIN P30; NUCLEOPROTEIN P10]	SWISSPROT	P03341	5.50E-01	1.0	12955	7755	2668
Rattus norvegicus Propionyi Coenzyme A carboxylase, pela pulypepude (1 cop. 1111)	NT	8393912	5.50E-01	1.1	11481	6325	1193
Homo saplens chloride intracellular channel 4 like (CLIC4L), ITIKNY	NT	7330334	5.60E-01	0.8	14930	9838	4726
Chicken TBP gene, exon8, complete cds	NT	D83135.1	5.60E-01	0.8	14350	9272	4146
Arabidopsis thaliana DNA chromosome 4, contig fragment No. 13	NT	AL161501.2		0.8	14041	8945	3808
Homo sapiens mRNA for KIAA0740 protein, partial cds	NT			1.2	13576	8483 8483	3318
Homo sapiens mRNA for KIAA0740 protein, pertial cds	NT	AB018283.2		1.2	13575	8483 83	3318
Rattus norvegicus cAMP-regulated guanine nucleotide exchange ractor ii (CAMIT-GETII) mRNA, partial cds	NT.	U78517.1	5.70E-01	2.2	15359	10292	5201
Homo saplens T cell receptor beta chain (BV6S/"2-BJ1S1) mkna, partial cus	NT			1.7	14065	8966	3829
Populus euramencana peacs-2 mRNA for 1-aminocyclopropane-1-carpoxyrate synulase, complete cds	NT	AB033503.1	5.70E-01	2.4		8 01	3460
Mus musculus mRNA for membrane-bound transferni-like protein per, comprese cus	NT	AB024336.1	5.70E-01	0.9	12145	7928	1840
Mus musculus mRNA for membrane-bound transfernn-like protein p97, complete cus	NT	3.1	ш	0.9	12144	7928	1840
Escherichia coil genomic DNA. (4.1 - 6.1 min)	NT			. 2.0	1002	5917	761
Megasella scalaris sex-lethal homolog (Megsxi) gene, paruai cus, aiternatively spinced products	NT	AF110846.1	5.80E-01	1.0		9802	4690
	NT	AB009077.1	5.80E-01	2.8	14,622	9533	4413
Homo sapiens KIAA0335 gene product (KIAA0335), mRNA	TN	52059	_	1.0	14127	9035	3900
Mycoplasma arthritidis strain H39 putative adhesin MAA1 (maa1) gene, complete cds	NT	AF154923.1	5.80E-01	2.0	13651	8543	3401

TIOTIE SUPERIOR PROPERTY OF THE SUPERIOR SUPERIO	1111	100000	0,000	<u>;</u>	12403	198	2
Homo saniens postmelotic segregation increased 2-like 9 (PMS2L9), mRNA	NT	4885550 NT	2 00 C	4.0	14000	1	
TRANSCRIPTION-REPAIR COUPLING FACTOR (TRCF)	SWISSPROT	Dasaso	2 10501	30	14303	Т	
w39b12.x1 NCI_CGAP_Ut1 Homo saplens cDNA clone IMAGE:2427263 31	EST_HUMAN	AI858485.1	5.10E-01	3.8	14199	Т	780E
R.norvegicus mRNA for mammalian fusca protein	NT	X87885.1	5.10E-01	1.1		6758	1632
Polyangium viteilinum (strain Pl vt1) 16S rRNA gene	NT	AJ233944.1	5.10E-01	1.1	10914	5791	832
	NT	AJ233944.1	5.10E-01	1.1	10913	5791	632
Human adrenodoxin reductase gene, exons 3 to 12	NT	M58509.1	5.10E-01	0.6	10879	5759	89
Mus musculus vanilloid receptor-like protein 1 (Vn1), mKNA	NT	7106444	5.20E-01	1.3		10054	4949
(NSDHL), and LI>	ZI	U82671.2	5.20E-01	1.1	13819	8721	3582
Homo sapiens chromosome Xq28 melanoma antigen family AZa (MAGEAZA), intelational antigen family A12 (MAGEA12), melanoma antigen family A2b (MAGEA2B), melanoma antigen family A3 (MAGEA3), caltractin (CALT), NAD(P)H dehydrogenase-like protein							٠
encoding chloroplast protein, complete cds	NT ·	AF020269.1	5.20E-01	1.1		8719	3580
am77g05.s1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:1616504 3'	EST_HUMAN	AA984165.1	5.20E-01	1.9	13646	8539	3397
Botytis cinerea strain 14 curva library under conditions of fut ogeti deprivation	N	AL116780.1	5.20E-01	1.8		8502	3359
Azotobacter vinelandii icd gene tor isocurate denydrogenase, comprese cus	T	D73443.1	5.20E-01	1.2		8348	3199
Chamydophila abonus strain 520/3 FOMFBIA and FOMFBUA procession, genes, company	NT	U65942.1	5.20E-01	1.9	13330	8232	3081
	NT	AB018283.2	5.20E-01	1.0	12418	7210	2099
Homo sapiens chromosome 21 segment HSZTCU85	NT	AL163285.2	5.20E-01	1.8		6961	1843
Homo sapiens phospholipid scrambiase 1 gene, complete cas	NT	AF224492.1	5.20E-01	1.0	11462	6308 808	1174
NUCLEAR FACTOR OF ACTIVATED TO CELLS 3 (1 CELL TOWNSON TOOK TO THE NUMBER OF ACTOR NEATS)	SWISSPROT	Q9WV30	5.20E-01	2.6	11436	6283	1148
Drosophila melanogaster neux-toop-neilx mkny, complete cus	NT	L20770.1	5.20E-01	3.9	11100	5950	799
Mycoplasma genitalium section 9 of 51 of the complete genome	4	U39687.1	5.30E-01	1.3		9243	4117
Xenopus laevis LDL receptor-1 gene, 5' flank	NT	M62977.1	5.30E-01	2.6		9053	3919
Homo sapiens secreted C-type lectin precursor (LSLCL) gene, complete cus	3	AF087658.1	5.30E-01	2.9	13463	8353	3205
Homo sapiens protein tyrosine phosphatase, receptor-type, zeta polypeptide i (۲۱۳۲۸۲۱)	Z <sub>T</sub>	4506328 NT	5.30E-01	3.0	13041	7839	2755
Homo sapiens protein tyrosine pnospharase, receptor-type, zera polypepude i (r i r vz.)	3	4506328	5.30E-01	3.0	13040	7839	2755
Homo sapiens proteasome (prosome, macropain) 26S subunit, ATPase, 3 (PSMC3) mRNA	Z	4506210 NT	5.30E-01	0.9	12643	7435	2332
Brassica oleracea var. capitata phospholipase U2 (PLU2) gene, complete cus	NT	AF113919.1	5.30E-01	0.9	12410	7204	2093
Brassica oleracea var. capitata phospholipase UZ (PLUZ) gene, complete cos	NT	AF113919.1	5.30E-01	0.9	12409	7204	2093
genes,>	NT	AF019413.1	5.30E-01	0.7	10792	5669	505
Homo saplens HLA class III region containing tenascri x (tenascri x) gene, Parua was cytochrome P450 21-hydroxylase (CYP21B), complement component C4 (C4B) G11, helicase (SKI2W), RD, complement factor B (Bf), and complement component C2 (C2)		•					
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601237138F1 NIT MGC 44 FIORID Sapidila Cores della introducazione	EST HUMAN	BE378707.1	4.40E-01	1.3		9267		
Rattus norvegicus Synicar-o Hinter, carippera cos	NT	AF058790.1	4.40E-01	1.0	13527	. 8419	3274	7
	NT	AF058790.1	4.40E-01	1.0	13526	8419	3274	_
	SWISSPROT	P49765	4.40E-01	1.3	12650	7442	2340	
VASCULAR ENDOTHELIAL GROWTH FACTOR B PRECURSOR (VEGF-B) (VEGF	2	6680503	4.40E-01	0.9		7107	1991	17
noouguzxi Soares Wrt. 1 GDC 3 i ibilio septimo estimato 1 //// map1). mRNA	ESTHUMAN	AW873495.1	4.50E-01	4.0		9212	4085	
asyberoux Barstead adria nr Lindo nollio sapiana con accidenta in acci		AI708908.1	4.50E-01	1.1	14197	9114	3982	
COLLAGEN ALTHA 5(IV) CHAIN	urn	Q28247	4.50E-01	1.4		9075	3942	-1
Mus musculus DNA polymerase epsilon catalytic subunit (Pole) gene, exons 2 through 12	NT	AF126378.1	4.50E-01	1.1	13588	8475	3331	
PROTEIN PRECURSOR (HSPG) (PERLECAN) (PLC)	SWISSPROT	Q05793	4.50E-01	4.0	13528	8420	3275	
3' STATE AND AND SECURIC HEDARAN SIII FATE PROTEOGLYCAN CORE	EST_HUMAN	AA677086.1	4.50E-01	4.9	13090	7992	2841	
7155402 at Spares fetal liver spleen 1NFLS S1 Homo saplens cDNA done IMAGE:454179	2	AE001931.1	4.50E-01	0.6	12172	6987	1869	
Deinococcus radiodurans R1 section 68 of 229 of the complete chromosome 1			┺	0.6	12171	6987	1869	П
Homo sapiens mkn/A for N/AA Location as of 920 of the complete chromosome 1	TN		4.50E-01	1.3	12151	6965	1847	7
Homo saplens mRNA for KIAA1252 protein, partial cas	NT			1.3	12150	6965	1847	Т
3550.seq.F Human fetal heart, Lambda ZAF Express norms sapiens covers	EST_HUMAN	AA249416.1		1.0	11266	6110	965	Т
Bovine steroid 21-hydroxylase gene (P-450-c21) gene, complete cus	NT	M11267.1		1.0		10185	5087	Т
RC1-ST0278-040400-018-b06 ST0278 Homo sapiens CUIVA	EST HUMAN	AW818638.1	4.60E-01	1.3	13907	8813	3674	Т
S.tuberosum L. (Desiree) PHA1 mRNA	NT	X76536.1		0.8	12263	7067	1950	Т
translated products	NT	4504850 NT	4.80E-01	. <u>.</u>		9362	4577	
Human ventricular myosin light Criatil & general sovers	NT	L01652.1	4.80E-01	1.1	12431	7222	2111	_
	NT	U40869.1	4.90E-01	1.4	12166	6982	1864	7
Homo sapiens mRNA for KIAAT 104 protein, paruar cus	NT	AB033010.1	5.00E-01	3.4	14027	8934	3797	┱
ods			5.00E-01	0.8	13920	8826	3688	
Human Cyclin-dependent killese z (dukz) gene, o promoco cegor.	NT	U50730.2	5.00E-01	0.9	12840	7639	2543	
Human cyclin-dependent kinase z (caxz) gelle, 3 promoter region	3		5.00E-01	0.9	12839	7639	2543	П
(gene>	NT	AF008210.1	5.00E-01	1.3	12415	7208	2097	
Buchnera aphidicola genomic rragment containing (Chaperone inspect) events biosynthesis initiating protein (dnaA), ATP operon (atpCDGAHFEB), and putative chromosome replication protein (gidA) genes, complete cds; and termination factor Rho (rho)								
gene>	NT	AF008210.1	5.00E-01	1.3	12414	7208	2097	
Buchnera aphidicola genomic fragment containing (chaperone rispou) giveti, presidential biosynthesis initiating protein (dnaA), ATP operon (atpCDGAHFEB), and putative chromosome replication protein (gidA) genes, complete cds; and termination factor Rho (rho)								T
Homo sapiens postmelotic segregation increased 2-like 9 (PMS2L9), mkna	NT	4885552 NT	5.00E-01	1.4	12404	7199	2087	

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14	1316	1023	5185	4373	4208	4177	3263	2910	2910	2678	1592	1078	4671	4599	4545	3803	3585	3558	1904	1335	5017	4875	4306	4306	4138	4059	3221	3022	2843	1585	<u>981</u>		405	405	4924	4464
6596		6162	10277	9495	9333	9303	8410	8060	8060	7765	6718	6216	9783	9713	9664	8940	8724	8697	7022	7913	10119	9982	5573	5573	9264	9186	8369	8174	7994	6711	6106		5573		$\exists$	9584
	11611	11315			•	14384	13517	13166	13165	12966	11888	11367	14882	14805		14035	13820	13795		11631	15191		10711	10710	14345	14269		13274		11882	11264		10711	10710		
1.5	1.0	1.3	0.9	0.8	1.1	2.6	=	1.8	1.8	0.6	1.0	9.0	3.1	<b>5.0</b>	3.6	1.0	1.1	4.8	0.9	1.0	2.1	=	<u>.</u>	1.0	:1	1.2	1.5	0.9	1.0	1.1	0.7		0.7	0.7	0.9	8.5
4.00E-01	4.00E-01	4.00E-01	4.10E-01	4.10E-01	4.10E-01	4.10E-01	4.10E-01	4.10E-01	4.10E-01	4.10E-01	4.10E-01	4.10E-01	4.20E-01	4.20E-01	4.20E-01	4.20E-01	4.20E-01	4.20E-01	4.20E-01	4.20E-01	4.30E-01	4.30E-01	4.30E-01	4.30E-01	4.30E-01	4.30E-01	4.30E-01	4.30E-01	4.30E-01	4.30E-01	4.30E-01		4.30E-01	4.30E-01	4.40E-01	4.40E-01
6679258 NT	AF203478.1	8404656	Z99124.1	R41726.1	AA909257.1	AJ249207.1	AA906344.1	AL 161536.2	AL161536.2	7705283 NT	A1905949	AI905481.1	R13467.1	4.20E-01 AA534093.1	BE073574.1	AW835527.1		AE003947.1		Q39102	Y15839.1	AL161502.2	AF155218.1	AF155218.1			AE000698.1	AW999477.1	AW935269.1	AW866550.1	AI281909.1			AF155218.1	BE141396.1	AL115324.1
8 NT	3	6 NT	NT.	EST HUMAN	EST_HUMAN	NT	EST_HUMAN		3	3 NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	NT	EST HUMAN	SWISSPROT	NT	N	N	Ŋ	NT	NT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	7	N	NT	EST_HUMAN	NT
Mus musculus platelet derived growth factor receptor, beta polypeptide (Pdgfrb), mRNA	Drosophila melanogaster Dalmattan (dmt) mRNA, complete cds	Laqueus rubellus mitochondrion, complete genome	Bacilius subtilis complete genome (section 21 of 21); from 3999281 to 4214814	yg11b03.s1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:31814 3'		oG, isol	oj94b08.s1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1505943 3'		Arabidopsis thaliana DNA chromosome 4, contig fragment No. 36	Homo saplens anaphase-promoting complex subunit 7 (APC7), mRNA	PM-BT103-270499-684 BT103 Homo sapiens cDNA	RC-BT091-210199-142 BT091 Homo sapiens cDNA	lyf77e01.r1 Soares Infant brain 1NIB Homo saplens cDNA clone IMAGE:28278 5'	nj69h01.s1 NCI_CGAP_Pr10 Homo sapiens cDNA done IMAGE:997777 similar to gb:M33600 HLA CLASS II HISTOCOMPATIBILITY ANTIGEN, DR-1 BETA CHAIN (HUMAN);	RC5-BT0559-020300-013-E06 BT0559 Homo sapiens cDNA	QV0-LT0015-180200-127-h01 LT0015 Homo saplens cDNA	ql94b01.x1 Soares NhHMPu_S1 Homo saplens cDNA done IMAGE:1879945 3'	Xylella fastidiosa, section 93 of 229 of the complete genome	nz24a09.91 NCI_CGAP_GCB1 Homo sapiens cDNA done IMAGE:1288696 3'	CELL DIVISION PROTEIN FTSH HOMOLOG PRECURSOR	Cochllobolus heterostrophus pkc1, fat1 genes	Arabidopsis thallana DNA chromosome 4, contig fragment No. 14	Callithrix jacchus MW/LW opsin gene, upstream flanking region	Callithrix Jacchus MW/LW opsin gene, upstream flanking region	Nicotiana tabacum mRNA for granule-bound starch synthase, partial cds	Human somatostatin I gene and flanks	Aquifex aeolicus section 30 of 109 of the complete genome	MR0-BN0070-270300-008-g04 BN0070 Homo saplens cDNA	CM2-DT0003-010200-077-c01 DT0003 Homo sapiens cDNA	QV4-SN0024-200400-183-601 SN0024 Homo sapiens cDNA	contains Alu repetitive element;	qt82d03.x1 NCI_CGAP_Co14 Homo sapiens cDNA clone IMAGE:1861765 3' similar to	Callithrix jacchus MW/LW opsin gene, upstream flanking region	Callithrix jacchus MW/LW opsin gene, upstream flanking region	MR0-HT0078-131289-007-g05 HT0078 Homo sapiens cDNA	Botrytis cinerea strain T4 cDNA library under conditions of nitrogen deprivation

Human mibp gene, partial cds	NT	∪89241.1	3.60E-01	2.4		6124	ğ
Nelsseria meningitidis serogroup B strain MC58 section 50 of 206 of the complete genome	NT	AE002408.1	3.70E-01	3.3	14506	9416	4292
MR3-OT0007-080300-104-b02 OT0007 Homo sapiens cDNA	EST_HUMAN	AW878037.1	3.70E-01	1.5	14430	9349	4225
ok39c07.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cUNA cione iMAGE:1510188 3*	EST_HUMAN	Al218707.1	3.70E-01	6.6	14344	9262	4136
100	NT	AF056336.1	3.70E-01	9.5	13665	8556	3414
Homo sapiens mRNA for KIAA1410 protein, partial cds	N	AB037831.1	3.70∈-01	3.6	12735	7530	2431
Capniomyces stellatus beta-tubulin (btub) gene, partial cds	NT	AF162061.1	3.70E-01	1.2	12449	7241	2131
Mus musculus general transcription factor II I (Gtf2), mRNA	NT	54095	3.80∈-01	0.9	14077	8977	3841
wf38b12x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2357855 3	EST_HUMAN	AI807219.1	3.80E-01	0.9		8635	3506
T GBC S1	EST_HUMAN	Al807219.1		0.8		8635	3494
	NT	AL161518.2		7.8	13692	8580	3438
Ιā	TN	AF043383.1	_	2.0	13264	8162	3010
Human immunodeficiency virus type 1 complete genome (Isolate 98SE-MP1213)	NT	AJ251057.1	3.80€-01	0.9		8123	2972
Mus musculus solute carrier family 1, member 6 (Sic1a6), mRNA	NT	6678002 NT	3.80⊑-01	1.6	12884	7948	2591
	NT	AF214117.1	3.80E-01	0.9	12821	7620	2524
Homo sapiens DNA, DLECT to ORCIL4 gene region, section 1/2 (DLECT, ORCILS, ORCIL4 genes, complete cds)	NT	AB026898.1	3.80E-01	1.2	12818	7617	2521
	NT	AE003870.1	3.80E-01	1.2		6946	1827
Olive latent ringspot virus genomic RNA for polyprotein gene		AJ277435.1	3.80E-01	0.7		5997	848
Olive latent ringspot virus genomic RNA for polyprotein gene	NT	AJ277435.1	_	7.0	11109	5956	805
Homo sapiens protein kinase PKNbeta (pknbeta), mRNA		. 7019488 NT	3.80E-01	2.5		5350	121
Sinorhizobium meliloti egi, syrB2, cya3 genes and orf3	NT	AJ225896.1	_	3.6	13308	8209	3058
H.sapiens B-myb gene	NT		_	2.2	12960	7760	2673
H.sapiens B-myb gene	NT	X82032.1		2.2	12959	7760	2673
Homo sapiens mRNA for KIAA1193 protein, partial cds	NT		1	1.3	12899	7695	2605
Gorilla gorilla carboxyl-ester lipase (CEL) gene, complete cds			_	0.8	11651	200	1356
CM4-HT0136-150999-014-f09 HT0136 Homo saplens cDNA		AW352188.1	_	0.5	10539	5418 18	227
NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 5, CHLOROPLAST	SWISSPROT		_	7.3		9824	4712
Ovis aries partial JD2 gene for T cell receptor delta chain (TCRDJ2), expn 1	NT			3.2	13984	8893	3755
Ovis aries partial JD2 gene for T cell receptor delta chain (TCRDJ2), exon 1	NT			3.2	13983	8893	3755
transferase (mraY) genes, complete cds	NT	AF068903.1	4.00E-01	1.6	13871	8776	3637
Streptococcus pneumoniae YilC (yilC), YilD (yilD), penicillin-binding protein 2x (pop2x), and undecaprenyi-phosphate-UDP-MurNAc-pentapeptide phospho-MurNAc-pentapeptide	~						
Homo sapiens chromosome 21 segment HS21C080	NT			2.2	13198	8090	2939
Homo saplens chromosome 21 segment HS21C080			_	2.2	13197	8090	2939
Mus musculus ubiquitin-protein ligase e3 componen n-recognin (Ubr1), mRNA		6678490	4.00E-01	=	10463	5332	2774
				1.2	12275	7831	1960
Ascobolus immersus masc2 gene	NT	Z96933.1	4.00E-01	1.2	12274	7931	1960

Azotobacter vinelandii nirA gene for NirA proein (positive regulatory elementy)	NT	Y00554.1	3.40E-01	0.6	11598	- 1	1304
	NT	Y09798.2	3.40E-01	1.5	11263	6105	98
HPV45 E1 genes isolated from IC4 cervical cardinoma cell line	NT	AJ242956.1	3.40E-01	0.7		5846	691
Rat leukocyte common antigen (L-CA) gene, exons 1 through 5	Z	M18349.1	3.50E-01	3.8	15045	9956	4849
788IE1 tetal orain CUNA Homo sapiens CUNA Code / Code I-N similar to toroin, Errordo	EST HUMAN	N81203.1	3.50E-01	0.8	14994	1066	4790
RC5-HT0218-181099-011-goz HT0218 Homo sapiens curve	EST HUMAN	BE146585.1	3.50E-01	1.3	14588	9501	4379
Danio rerio homeobox protein (hoxb5b) gene, compiete cos	NT	AF071253.1	3.50E-01	1.9	14371	9291	4165
complete cds	NT.	U05897.1	3.50E-01	0.9		7759	2672
Fibrobacter succinogenes S85 endoglucanase E (celE) and endoglucanase U (celU) gene,							
IMAGE:650872 3'	EST_HUMAN	AA223252.1	3.50E-01	0.7	12859	7947	2563
zr08a09.s1 Stratagene NT2 neuronal precursor 937230 Homo sapiens CUNA Clone							
complete cds	NT	U35776.1	3.50E-01	=======================================	11916	6748	<del>1</del> 622
Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mixtiva,							
	NT	7706136 NT	3.50E-01	1.2	10999	5862	708
Homo sapiens GAP-like protein (LUC5130b), mr.NA	3	7706136 NT	3.50E-01	1.2	10998	5862	708
Arabidopsis thaliana DNA chromosome 4, confug tragitient No. 17	NT	AL161581.2	┖	1.0	10946	5818	682
Mus musculus mannose receptor, C type 2 (MICZ), micus	NT	78933	3.50E-01	0.7	10522	5396	202
ha02g04.x1 NCI_CGAP_Lu24 Homo sapiens CUNA CIOTIE INVAGE.20123003	EST HUMAN	AW339393.1	3.60E-01	2.0	15119	10047	4941
Bacteria from anoxic bulk soil 165 rkNA gene (strain XD40)			_	1.2	14899	9796	4684
Brassica napus mRNA for MAP4K alpha2 protein	NT		_	0.9	14844	9749	4635
601107183F1 NIH MGC 16 Homo sapiens cUNA Gone IMAGE:3343464 3	EST_HUMAN	BE251129.1	3.60E-01	0.9	14403	9318	4192
601107183F1 NIH MGC 16 Homo sapiens CUNA Gone IMAGE 334040F5	EST_HUMAN	BE251129.1	3.60E-01	0.9	14402	9318	4192
H.sapiens serotonin transporter gene, exons y and 10	NT	X76758.1		1.9	13678	8566	3424
	NT	X76758.1	3.60E-01	1.9	13677	8566	
Drosophila melanogaster sugar transporter 3 (sui3) mkn/4, complete cus	<u> </u>	AF199485.1	3.60E-01	8.9		8020	2869
(L-ISOASPARTYL PROTEIN CARBOXYL METHYLTRANSFERASE)	SWISSPROT	P24206	3.60E-01	8.0	12882	7682	2589
METHYLTRANSFERASE) (PIMT) (PROTEIN L-ISOASPARTYL METHYLTRANSFERASE)							.,,
BROTEIN I ISOASBARTATE O-METHYI TRANSFERASE (PROTEIN-BETA-ASPARTATE	EO I TIONAIN	AVV812033.1	3.605-01	0.6	12743	7536	2437
P. ITEQUISTO (PUOVA) (SBITE TOT ACUIT				0.9		7443	2341
Human mRNA for KIAAU323 gene, paruai cas	TN	Ξ		1.0		7330	2223
Rattus norvegicus repeat element associated with the Kasgin I gene	NT	AF056927.1	3.60E-01 /	1.1		7121	2007
Mus musculus ribosomal protein S19 (Rps19) gene, complete cos	NT	AF216207.1		2.2	12214	7025	1908
hg33f02.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE: 2947419 3	EST_HUMAN	AW590184.1	3.60E-01	2.2	12178	6992	1874
hg33f02.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2947419 3	EST_HUMAN	AW590184.1		2.2	12177	69 2	1874
yd03e05.r1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE::24443 5	EST_HUMAN		_	0.9	11587	6421	1292
	EST_HUMAN	T80255.1	3.60E-01	0.9	11586	6421	1292

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					17.7	900	c
Hypoxylon fragiforme chitin synthase gene, partial cds	NT	AF200446.1	3.30E-01	ام	14141	002	عاد
Arabidopsis thaliana DNA chromosome 4, contig fragment No. 10	NT	3.30E-01 AL161498.2	3.30E-01	1.6	14174	9000	1885
EXODEOXYRIBONUCLEASE V BETA CHAIN	SWISSPROT	084645	3.30E-01	2.2	13965	8875	3738
Homo sapiens MIA1-L1 gene, complete cus	ZT	AB012922.1	3.30E-01	1.1	13705	8592	3450
Streptomyces argulaceus illiulialitychi piosyiluloso gorico	ZI	AJ007932.2	3.30E-01	1.0	13269	8368	3016
	SWISSPROT	002743	3.30E-01	1.1		8134	2982
INTERLEUKIN-12 ALPHA CHAIN PRECURSOR (IL-12A) (CYTOTOXIC LYMPHOCYTE		78201000.1	0.00170	7.0	13100	80/6	8167
		A 1251805 1	3 305 0	ء اد	10040	ì	2/00
Homo sapiens hypothetical protein FLJ20036 (FLJ20036), mRNA	Ì	8923039 NT	3 305-01	2	1000	7000	27.72
Chlamydomonas reinhardtii STF1 gene, partial	NT	AJ132478.1	3.30E-01	-	13037	7876	2752
orotidine-5'-decarboxylase) (UMPS) mRNA		4507834 NT	3.30E-01	1.7		7457	2355
Homo saplens undine monophosphate synthetase (orotate phosphoribosyl transferase and			0.000			1700	1/94
EST36722 Embryo, 8 week I Homo sapiens cDNA 5' end	T HUMAN	AA332734.1	3 305-01	=	11804	6/14	1588
Mus musculus disintegrin 5 (Dign5), mRNA		6753685	3 300 01	: :	114/2	6316	1182
PROI INE-RICH PROTEIN LAS17	ISSPROT	7007	3.000	1.4	BRBOL	5776	617
Homo sapiens KIAA1100 protein (KIAA1100), mRNA	NT.	AL 101040.2	3.300-01	1.0	10740	5606	440
Arabidonsis thaliana DNA chromosome 4, contig fragment No. 45		AL ADARAR O	1	2.1	10323	5222	100
Rhizoblum leguminosarum sym plasmid pRL5JI nodX gene		707990 1		7.5	10323	5222	4
Rhiphium leguminosarum sym plasmid pRL5JI nodX gene		V07001	0.400	 	15140	100/3	4970
Sea urchin hsp70 gene II for heat shock protein 70	ľ		3 405-01	3 0		89/	40/0
g)85c05;x1 NCI_CGAP_Kid3 Homo sapielis cuiva cui e invace: vocavo o o o o o o o o o o o o o o o o o o	EST HUMAN	A1240973 1	3 40€-01	a D			
contains L1.13 L1 repetitive element;	EST_HUMAN	BE463761.1	3,40E-01	0.9	15026	9936	4828
Mus musculus Kcnq1, Ltpc5, Mash2, Tapa-1, Tssc4 and Tssc6 genes, alternative transcripts	N	AJ251835.1	3.40E-01	2.2	12967	7766	4645
WK4-B10403-230200-202-001 010400 (10110 02F)	EST HUMAN	BE069912.1	3.40E-01	1.8	14753	9663	4544
Homo sapiens integrin alpria o (119Ao) genie, exciso is anticos.			1_	0.8	14606	9516	4394
no11b10.s1 NCL CGAP PRB1 Homo sapielis Colvo Gore Historia	EST HUMAN	AA584196.1	3.40E-01	1.2		9097	3965
genes, complete cds		AF106835.1		3.5	13741	8629	3488
complete cds  Complete cds  Complete cds  Complete cds  Complete cds	N	U83905.1	3.40E-01	5.4	13378	8273	3124
Mus musculus Kcnq1, Ltpc5, Mash2, Tapa-1, Tssc4 and Tssc6 genes, alternative transcripts	NT	AJ251835.1	3.40⋿-01	1.1	12967	7766	2679
Arabidopsis thailana DNA chromosome 4, conug magment NU. 20	NT	3.2	3.40E-01	1.5	12932	7731	2642
Synechocystis sp. PCC6803 complete genome, 17/27, 1311235-1430410	NT			1.0	12661	7452	2352
Erwinia carotovora subsp. carotovora aspartate aminotransferase (aat) gene, partial cds; HexA (hexA), NADH dehydrogenase chain A (nuoA), and NADH dehydrogenase chain B (nuoB) genes, complete cds; and NADH dehydrogenase chain C (nuoC) gene, partial cds (nuoB)	Z	AF057063.1	3.40E-01	0.6	11615	6450	1321

55	14	1204	2		5073	3832	3136	2827	2665	2665	2636	4907	4397	4375	4295		3868	3556	2677	2494	1800	1744	1744	1737	1368	1261	1146	701	449	. 5133	4589	
1504 6630	1491 6618		254 5442	66 7857	73 10171	32 8969	36 8285	27 7978	35 7877	55 7877	36 7725	27 10014	97 9519	75 9497	95 9418	$\neg$	9004	$\neg$	٦	П	П	Т	П	Т		6390	6281	1 5856	9 5615	10228	9703	
0 11799	8 11788	Γ	Г	7 10398	1 15249	9 14068	G.	8	7 12952	7 12951	5 12929	4	9 14609	7 14584	9 14509		4	5	12965	٦			T	J	6 11662	0 11551	1 11434	8	5	B 15303	3	
9 0.9	2.3	Γ		8 0.5		8 1.2	2.8	1.0	2 1.3	1 1.3	9 1.4	1.2		4 0.8	1.4		1.0	1.0	0.6						2 2.3	1.0	6.5	0.7	0.7	1.0	1.5	
3.00E-01	3.00E-01	3.00E-01	3.00€-01	3.00E-01	3.10E-01	3.10E-01	3.10E-01	3.10E-01	3.10E-01	3.10E-01	3.10E-01	3.20E-01	3.20E-01	3.20E-01	3.200-01	200-	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20€-01	3.20E-01	3.30E-01	3.30E-01	
AI803369.1	AJ006755.1	AW300400.1	AJ271735.1	6755083	AA576308.1	AJ251586.1	AB029069.1	AW629036.1	7661971 NT	7681971 NT	R18051.1	M32352.1	Q10268	AF111167.2	M 100 10. 1		AL161546.2	D10872.1	AF060568.1	7710079 NT	AL111655.1	AW957194.1	AW957194.1	Z36041.1	Q48624	Z50202.1	AF047013.1	AL161561.2	AF018261.1	W30992.1	AI539114.1	
EST_HUMAN	2	EST HUMAN	N		EST HUMAN	1	3	EST HUMAN	l '	1 N	EST_HUMAN	N	SWISSPROT	NT.		Ž.	3	N	NT	NT	NT	EST HUMAN	EST_HUMAN	NT	SWISSPROT	NT	Z <sub>1</sub>	NT	Z	EST_HUMAN	EST_HUMAN	
tc42c05.x1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:2067272 3	Baiaenoptera priysaius gene encoung aurai nautureus popuse	X863T08.X1 NCT CGAP NOTE DOUBLE SAppares Color Note in Note 1		Mus musculus protein kinase C, epsiloti (rkce), ilinias	amethos.81 NCI CGAP BIS Home sapiens CDINA Guire INVAGE. 10121013	Daucus carola mRNA for transcription ractor text (text gene)	Mus musculus gene for Seri in kinase KKIAMRE, exon o	hi46h08.x1 Soares NFL   GBC ST Homo sapiens CUNA cione immoc.25733513	gene produ	Homo sapiens KIAA0174 gene product (KIAA0174), mkn	ye90h06,r1 Soares retai liver spieen Turits romo sepiena conviccioni invisco. 12001 o similar to gb:M64241 QM PROTEIN (HUMAN);		HYPOTHETICAL 81.7 KU PROTEIN CISGLARC IN CIRCOMOSOME I FRECONSON	unknown gene	Homo sapiens jun dimerization protein gene, partial cds; cros gene, complete cds; and	Rabbit beta-like globin gene cluster encoding the epsilon, gamma, delta (pseudogene) and	Arabidopsis thallana DNA chromosome 4, conug iraginent No. 40	Humam h NAT allele 3-2 gene for arylamine N-acetyltransferase		Mus musculus Pbx/knotted 1 homeobox (Pknox1), mRNA	Botrytis cinerea strain T4 cDNA library under conditions of nitrogen deprivation	EST369264 MAGE resequences, MAGD Homo sapiens cDNA	EST369264 MAGE resequences, MAGD Homo saplens cDNA	S.cerevisiae chromosome II reading frame ORF YBR172C	PROTEIN)		Fusarium pose virus 1 RNA2 putative RNA dependent RNA polymerase gene, complete cds	Arabidopsis thaliana DNA chromosome 4, control tragment No. o.	Rattus norvegicus EH domain binding protein Epsin mixiwa, complete cus	IMAGE:310349 5	(b) 78612.x1 NCI_CGAP_UI3 HOMO SADIBRIS CUNA GIORB IMAGE: 2203407 3 SIIIIIGI W gb:X57522 ANTIGEN PEPTIDE TRANSPORTER 1 (HUMAN);	THE PART OF A COMPANY OF A COMP

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Arabidopsis thailand mixex for ilpoylidationass, comprove con-	Z	AB020975.1	2.80E-01	1.4	12920	7720	2
Arabidopsis maliana DNA chromitosoffe 4, contiguidad indicator con control of the	NT	_	2.80Ε-01	0.9			2500
Eschenonia coli K-12 MG 1000 Seutori 300 of 100 of 100 company No. 65	NT	-	2.80	1.1	12730	7522	2423
Escherichia coli K-12 MG 1000 Secuoli 304 of 400 of the complete denome	ZT	_	2.80E-01	1.1	12729		2423
CM1-C10127-160899-003-001 C10127 Floring Saprana Colors	EST_HUMAN	AW177111.1	2.80E-01	0.9			2243
	1	AF100152.1	2.80E-01	0.8	12451	7244	2134
hd44b03.x1 Spares NFL   GBC ST nomic sapiets CONS agric invocement acres	EST_HUMAN	AW511195.1	2.80E-01	0.5	12401	П	2084
DKFZp586i2321_r1 586 (synonym: nute1) nomo sapletis culta done IMAGE: 2912333 3'		AL047620.1	2.80E-01	0.6	12282	П	1966
QV1-CT0364-120200-065-bu5 C10364 Homo septens curv	EST HUMAN	AW860020.1	2.80E-01	0.6	12002	Т	1696
Human mRNA for serine/threonine protein kinase, complete cus	NT	D86550.1	2.80E-01	1.0	11557	Т	1269
601148733F1 NIH MGC 19 Homo sapiens cuiva cicii immos. Ji osoco o	EST_HUMAN	BE313442.1	2.80E-01	1.1	11546	П	1256
601148733F1 NIH MGC 19 Homo sapiens CONA Cione IMAGE 3163688 5	EST_HUMAN	BE313442.1	2.80E-01	1.1	11545	6385	1256
Homo sapiens delta-6 fatty acid desaturase (CTBCRT) IIINVA, COIIIpied CO	NT	AF134404.1	2,80∈-01	1.1	11484	6329	1197
Guira guira oocyte maturation ractor Mos (Crinos) gene, paniar cos	NT	AF168050.1	2.80E-01	0.8	11360	6205	1067
Rattus novegicus A-kinase anchoring protein AKAP 130 mikiya, winipisis was	NT	U67136.1	2.80E-01	0.6		5719	556
Mus musculus small G i P-binding protein PADZ3 (NauZa) Barra, complete cale	Z	AF119676.1	2.90E-01	0.9		10010	4903
Mus musculus gene, complete cas, similar to EALVIII	3	AB019029.1	2.90E-01	0.9	14933	9841	4729
Mus musculus SKD1 (Skd1) gene, complete cus	NT	AF134119.1	2.90E-01	0.8	14597	9510	4388
Mus musculus SKD1 (Skd1) gene, complete cus	NT	AF134119.1	2.90∈-01	0.8	14596	9510	4388
contains Alu repetitive element;	EST_HUMAN	AA284468.1	2.90E-01	1.0	14591	9506	4384
zs57d12.r1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:701591 5' similar to		V44007007:1	7.805-01	0.0		9726	3994
wr02f10.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2480395 3	FST HUMAN	AWINDSON 1	3 00= 01		1,00	200	200
element;	EST_HUMAN	AI610836.1	2.90E-01	<u>.</u>	14054	8058	3851
tp21a11.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a11.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a11.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a11.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a11.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a11.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a11.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a11.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a11.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a11.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a11.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a11.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a11.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a111.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a1111.x1 NCI_CGAP_Gas4 Homo sapiens cDNA cone tMAGE::2100412 3 stituted to tp21a1111  3 stituted to tp21a11111 3 stituted to tp21a1111 3 stituted t							
PM1-CT0326-171299-001-112 CT0326 Homo sapiens CUNA	EST_HUMAN	AW754239.1	2.90E-01	2.3	13472	8361	3213
PM1-CT0326-171299-001-172 CT0326 Homo sapiens CUNA	EST HUMAN	AW754239.1		2.3	13471	8361	3213
Xenopus laevis transcription factor EZF mKNA, complete cus	Z	AF078111.1	2.90E-01	1.0	13405	8296	3147
	TN	AF222718.1		1.0	12521	7310	2201
Aquifex aeolicus section 68 of 109 of the complete genome	NT	AE000736.1		0.6	12294	7093	1978
	EST_HUMAN	BE066156.1	1	0.9	11390	6238	1100
chp0182.seq.F Human fetal heart, Lambda ZAP Express none sapiens cover of	EST_HUMAN	AA090216.1	_	0.5	11331	6178	1038
Balaenoptera physaius gene encoung autai ilautureur pepure	3	AJ006755.1	3.00E-01	1.9	14621	9532	4412
Mus musculus fibroblast growth factor receptor 3 (FGFRA) gaine, induit o	NT	L42123.1	3.00E-01	1.7		9230	4104
PM1-ST0262-261199-001-g01-ST0262 Homo sapietis CDNA	EST_HUMAN	AW817785.1	3.00≣-01	1.3	14020	8926	3789
12; and complete cds, alternatively spliced	N.	AF229122.1	3.00E-01	<b>:</b>	13937	8847	3709
Conynepacterium sp. At 1-1 alyr G gente for portgund on the 15 (COI O) gene exons 11A and	Z	AB030481.1	3.00E-01	1.0		8324	3175
untranslated region	NT.	AF237778.1	3.00E-01	0.9	12405	7200	2089
Cook for most lin dependent protein kingse II globa subunit mRNA. 3'							

Pyrococcus horikoshii O13 genomic DNA, 77001-894000 iii. posiiioii (477)	3	2.80E-01   AP000004.1	2.805-01	_	13589	8476	CEFF
TOTAL CONTROL OF THE CONTROL (A/Z)			1.001	10:1	10040	10470	CENE
A.chrysaetos mitochondriai cytochrome o gene	Ξ,	773462 1	2 805-01 273462 1	10.7	OVEEV	376	3005
D. agi to in a concentration (arriver)	1	Z 14037.1	2.60E-01 214037.1	2.5	13200	2808	2941
la touris microsphilita (ETH121)	111	P COVEL					
B. Faurus microsausius (E i n i z i )	2	2.80E-01   Z14037.1	2.80E-01	2.5	13199	8092	2941
Discontille (ETHO)							
Toxoplasma gondii 90kDa neak-snock proteiii (nishab) iiiniyan, baruar casi	Z	AF179480.1	2.80E-01	<u>.</u> 5		8091	2940
èl							

Table 4

ното sapiens ліськове зупотте списат врот, впитето вто	Z	L77569.1	2.70E-01	2.3	14158	9076	u	٦
W092611.x1 NCI CGAP KIDTT HOMO Sapiens CUNA CIDITE INVASC. 2402020 3	EST HUMAN	AI928015.1	1	1.9	14150	9063	3929	7
TENASCIN-X PRECURSOR (IN-X) (HEX-BRACHION-LINE)	SWISSPROT	P22105	2.70E-01	1.5	12919	7719	2629	Т
contains element L1 repetitive element;	EST HUMAN	AI310858.1	2.70E-01	1.3	12712	7505	2406	
ta43c11.x2 NCI_CGAP_Lu25 Homo sapiens cDNA clone IMAGE:2046836 3' similar to				ç	12020	/410	2310	T
Feline Immunodeficiency virus env gene, isolate ITTO088PIU (M88), partial	Y.	Y13868.1	_	30	13838	7/10	3040	Т
Rattus norvegicus vesicular monoamine transporter type 2, promoter region and exon 1	<u>፯</u>	AF047575.1	2.70E-01	0.9		7934	2088	
CORE SHELL PROTEIN P30; NUCLEOPROTEIN P10]	SWISSPROT	P03341	2.70E-01	1.3	12039	6861	1738	7
zd22h10.r1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:341443 5'	EST_HUMAN	W58067.1	2,70E-01	11.1	12003	6822	1698	
G.iambila SKZ gene	3	X79815.1	2.70E-01	0.6		6731	1604	٦
Ipomoea purpursa transposable element ripitot gene for uansposase, winipiaco was	N	AB004906.1	٠.	0.5	11528	6369	1240	
similar to contains Alu repetitive element:	EST_HUMAN	AA450061.1	2.70E-01	1.1	10873	···5755	597	:
Rattus novegicus CDK104 mKNA	ZT	Y17324.1	2.70E-01	0.8	10762	5633	\$	╗
[Phanerochaete chrysosporium, Genomic, 3297 nt]	NT ·	S69963.1	2.80E-01	0.9	15338	10267	5173	
[Phanerochaete chrysosporium, Genomic, 3297 nt]	TN	S69963.1	2.80E-01	0.9	15337	10267	5173	1
q159c11.x1 Soares_NnHMPU_S1 Homo sapieris curva conte invasc. 10 10020 0 onimic of contains Alu repetitive element; contains element LTR5 repetitive element;	EST_HUMAN	AI272669.1	2.80E-01	1.7	14991	9898	4787	
M.musculus IgG2c gene for immunogiobulin constant nearly chain, aliere igir-	N	Y10606.1	2.80E-01	3.2		10303	4771	T
Bovine adenovirus 3 complete genome	NT	AF030154.1	2.80E-01 /	2.8	14926	9834 40	4722	٦
Human mRNA for transcription factor AREB6, complete cds	NT	D15050.1		1.0	14885	9785	4673	T
	NT	D15050.1	2.80∈-01 (	1.0	14884	9785	4673	丁
Drosophila melanogaster Shar pel/DRhoGEF2 mRNA, complete cas	NT	AF032870.1		0.8	14734	48	4525	Т
Mus musculus p53 binding protein 2 homolog (p53BP2), partial CDNA	NT	U58881.1		1.7	14633	95 <u>4</u>	4421	Т
RNA POLYMERASE BETA SUBUNIT (LARGE STRUCTURAL PROTEIN) (L PROTEIN)	SWISSPROT	P13615	2.80E-01	2.2	14570	9479	4357	Т
	NT	AL021127.2	2.80E-01	1.0	14566	9474	4352	
contains Alu repetitive element contains element MER22 repetitive element;	EST_HUMAN	A1090868.1	2.80E-01	2.2		9229	4103	
Homelia ourgeonen (secuon oo or 70) or ure complete Senioria	NI	AE001180.1	2.80E-01 /	1.8	14136	9049	3915	
Arabidopsis thaliana DNA chromosome 4, contig tragment No. or	3	AL161593.2		0.9		8842	3704	П
Pyrococcus horikoshii OT3 genomic DNA, 77/001-894000 nr. position (4/7)	N	AP000004.1		1.1	13589	8476	3332	7
A.chrysaetos mitochondrial cytochrome b gene	NT	Z73462.1	-	10.7	13349	8246	3095	Т
	NT	Z14037.1	_	2.5	13200	882	2941	Т
	NT	Z14037.1		2.5	13199		201	Т
Toxoplasma gondii 90kDa heat-shock protein (HSP90) mRNA, partial cds	NT	AF179480.1	2.80E-01 /	15		8091	2040	7

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4	

									_		_				_							_		_			_	_		_
	4896	4672	4616	4548	4448	4393	4393	4259	4062	4010	3651	3591	3532	3485	3053	2499	2424	2106	2046	1854	1854	1418	1355	1355	472	462	5190	4973	4796	4286
10151	10003	9784	9730	9667	9568	9515	9515	9384	9189	9141		8730	8673	8626	8204	7596	7523		7159	6972			6483	6483		_		$\Box$	┱	9411
15228	15086	14883	14824	14756	14666	14605	П	14487	14274	14223	13883	13827	13777					12427		12157	12156	11720	11650	11649		10756	15349		15000	14498
0.9	3.6	2.2	1.3	1.6	1.2	0.8	0.8	1.0	13.1	1.0	0.9	1.7	1.1	0.9	1.0	3.5	1.0	1.2	3.6	3.1	3.1	1.0	1.0	1.0	1.4	0.5	0.8	3.5	0.9	5.1
2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2,60E-01	2,60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.60E-01	2.70E-01	2.70€-01	2.70E-01	2.70E-01
P08503	H04858.1	AW027920.1	AF142703.1	U01103.1	AA457617.1	AB021180.1		AF175293.1	BE080598.1	2.60E-01 AW959510.1	AB017446.1	AF229118.1	M22342.1	BE217816.1	AW974531.1	BE272440.1		M11844.1	2.60E-01 AW733152.1	AL161472.2	_		4557640	4557640	D16459.1	L	BE182123.1	-	L27516.1	6680855 NT
SWISSPROT	EST_HUMAN	EST_HUMAN	N,	NT	EST_HUMAN	Z	NT	NT	EST_HUMAN	EST HUMAN	N	NT	NT	EST_HUMAN	EST HUMAN	EST_HUMAN	N-T	NT	EST_HUMAN	NT	ZT	N.T		NT	N	SWISSPROT	EST_HUMAN	EST_HUMAN	NT	SNT
PRECURSOR (MCAD)	1,4		Ophresta radioosa maturase-like protein (matv) gene, comprete cas, calidicpliast golden	Cds	aa89d07.r1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:838477 5	Gailus gallus mRNA for skeletai myosin neavy chain, complete cus	Gallus gallus mRNA for skeletal myosin heavy chain, complete cos	cds; and unknown gene		EST371580 MAGE resequences, MAGE Homo sapiens CUNA	Rattus norvegicus mRNA for organic anion transporter 3, complete cos	and 5	Bacteriphage T2 DNA-(adenine-No)methytransterase (dam) gene, complete cos	contains L1:13 L1 repetitive element;	EST38553 MAGE resequences, MAGM notito separa SONA Chone IMAGE:3174914 3' similar to	601126016F1 NIH MGC 9 Homo sapiens CUNA Cione IMAGE. 2990043 3	B.marltimus rbcL gene	Human preaibumin gene, complete cds	bb04d10.x1 NIH_MGC_14 Homo sapiens CDNA clore IMAGE:2806401 3 similar to gb:M36072 60S RIBOSOMAL PROTEIN L7A (HUMAN); gb:M14689_cds1 Mouse surfeit locus surfeit 3 protein gene (MOUSE);	Arabidopsis thaliana UNA chromosome 4, conug iraginient No. 2	Arabidopsis thaliana DNA chromosome 4, conug iragment No. 2	Glycine max pseudogene for Bd 30K	Homo sapiens histone deacetylase 2 (HDAC2), MKNA	Homo sapiens histone deacetylase 2 (HDAC2), mKNA	Bos taurus mRNA for mb-1, complete cds	IROQUOIS-CLASS HOMEODOMAIN PROTEIN IRX-2	PM3-HT0642-290300-001-b05 HT0642 Homo saplens cDNA	RC1-CT0286-230200-016-e03 CT0286 Homo sapiens cDNA	Triticum aestivum (Wcs66) gene, complete cds	Mus musculus corticosteroid binding globulin (Cbg), mRNA

								_
Homo sapiens KIAA0851 gene (partial), XT3 gene and LZTFL1 gene	T		2.40E-01	5.9	11573	2 2	3	Т
on70d04.s1 Soares_NFL_T_GBC_S1 Homo saptens cDNA clone IMAGE:1562023 3	EST_HUMAN		2.40E-01	0.5	10824	5702	2 3	Т
	EST_HUMAN	AW663183.1	2.50E-01	0.9	15335	10263	5169	
contains TAR1.12 TAR1 repetitive element;	EST_HUMAN	AW663183.1	2.50E-01	0.9	15334	10263	5169	
Mus musculus gene for uncoupling protein a, o stanting region and power of the	2	AB011070.1	2.50E-01	0.9	14953	9861	4750	
MuERV-L (murine endogenous refrontus) element	N <sub>1</sub>		2.50E-01	3.2		9810	4698	
Chortstoneura rumiterana diapause associated protein 2 (LAC2) ilinium, cuitipais was	3	AF007768.1	2.50E-01	3.8	14856	9761	4649	
MOLT-INHIBITING HORMONE PRECURSOR (MIT)	SWISSPROT	_	2.50E-01	1.1		9757	4643	_
gene, exons 2-9 and 11-16	N.T	AF242431.1	2.50E-01	1.0	14725	9833	4514	
	SWISSPROT	Q03314	2.50E-01	1.2		9346	4222	
A-AGGLUTININ ATTACHMENT SUBONT PRECURSOR	SWISSPROT	P32323	2.50E-01	0.8		9109	3977	
	SWISSPROT	Q04912	2.50E-01	7.4	14124	9030	3895	
(P185-RON) (CDW136) (CD136 ANTIGEN)	SWISSPROT	Q04912	2.50E-01	7.4	14123	9030	3895	
	EST_HUMAN	A1741483.1	2.50E-01	1.2	14001	8911	3774	
wg11c07,x1 Soares_NSF_F8_9W_O1_FA_F_S1 riomo sapiens curino della como sapienta co	EST_HUMAN	AI741483.1	2.50E-01	1.2	14000	8911	3774	
Arabidopsis thallana DNA chromosome 4, contig fragment No. 29	TN	AL161517.2	2.50E-01	7.9	13752	8644	3502	T
Danio rerio peptide YY precursor gene, complete cos	NT	AF233875.1	2.50E-01	0.9	13743	86 1	3498	T
EST385464 MAGE resequences, MAGM Homo sapiens cDNA	EST_HUMAN	AW973471.1	2.50E-01	2.9		8509	3366	Т
B. taurus mRNA for D-asparlate oxidase	NT	X95310.1	2.50E-01	.i.o	12891	7688	2597	Т
zs11a12.r1 NCI_CGAP_GCB1 Homo sapiens cDNA done IMAGE:684862 5	EST_HUMAN	AA251987.1	2.50E-01	1.4		7545	2446	Т
Aquifex aecilicus section 7 of 109 of the complete genome	NT	AE000675.1	2.50E-01	3.0		7459	2357	T
Homo sapiens hyperpolarization activated cyclic nucleotide-gated potassium channel 4 (HCN4) mRNA	NT N	4885406 NT	2.50E-01	2.0		6821	1697	
Botrytis cinerea strain T4 cDNA library under conditions of nitrogen deprivation	4	AL115624.1	2.50E-01	0.9	11798	6629	1503	Т
ye11g07.r1 Stratagene lung (#937210) Homo sapiens cDNA clone IMAGE:11/468 5	EST_HUMAN	T89837.1	2.50E-01	3.2	11396	6243	1105	Т
Ureaplasma urealyticum section 57 of 59 of the complete genome	ZT	AE002156.1	2.50E-01	1.9		618 18 18	<u>1</u> 2	Т
Mus musculus ICROwiss glycaraidailyda 3-pirospirata dailyddyddiaed (o'ddol) a gaellogol (o'dd	N	U09964.1	2.50E-01	<u>1</u> .	11121	5985	815	
Starfish (P.ochraceus) cytopiasmic acun gene, cumpieus cus	S	M26501.1	2.50E-01	1.1		5443	255	
(ATP5D), nuclear gene encoding mitochondrial protein, mRNA	37 13	4502296 NT	2.50E-01	0.6	10557	5431	242	
(ATP5D), nuclear gene encoding mitochondrial protein, mRNA	T	4502296 NT	2.50E-01	0.7	10557	5431	241	
the subject of the su								

E C	121	AF004/00.1	2.30E-01	0.5	13044	7841	٠.
iicago sauva aquapoliii-like ualis	1						
the state of the tenementary channel protein (pAFI 8-1) mRNA, complete	2	AF004/08.1	2.30E-01	0.5	13043	7841	2757
licago sauva aquaponn-like uans	i						
Human eryunopoieuri gerie, cultiplere cus	NT	M11319.1	2.30E-01	1.0	12904	7705	2615
6011/2002F1 NIT MGC 1/ FOITO Sabiata Colta	EST HUMAN	BE297718.1	2.30E-01	0.6	12701	7496	2396
Homo sapiens pardal intron 3 of the wild type ONA clone IMACE:3531015.5		AJ235353.1		1.3		7114	1999
Mus musculus cdh5 gene, exon T, paruai	NT	Y10887.2	2.30E-01	1.0	11910	6740	1614
Brassica napus sig gane for S-locus glycoprotein, cultival 12	N	AJ245480.1	2.30E-01	1.4	11883	6712	1586
complete cds	NT	U22837.2	2.30E-01	0.9		6673	1546
Yersinia pestis HmsH (hmsH), HmsF (hmsF), HmsK (nmsK), and HmsS (iiiiiss) gettes,							
	NT	6677980 NT	2.30E-01	0.5	11790	662 20	1492
601142073F1 NIH MGC 14 Homo sapiens cone cone invocessorio	EST_HUMAN	BE311893.1	2.30E-01	1.1	11219	6064	918
Thermotoga martima section 20 of 130 of the Complete generality		AE001708.1	2.30E-01	1.6	11160	600	851
Thermotoga martima section 20 of 130 of the complete genome	NT	AE001708.1	2.30E-01	4.4	11094	5943	792
Methanococcus jannaschii secuoni iso oi iso oi ula complete genome	3	U67596.1	2.30E-01	6.8	10935	5809	651
Mycopiasma genitalium secuon 30 tr 31 tr the complete genome	3	U39713.1	_	1.5		5780	62 <u>1</u>
aromatase (Poephila guitata=zeora findres, ovary, findres, o loo in	NT	S75898.1	2.30E-01	0.9	10685	5552	383
Mus musculus small optic loces nomolog (Diosophila) (Sont), implied	NT	7657600	2.40E-01	1.4	15347	10279	5188
19023101.x1 NCI CGAP LUS Homolog (Procontille) (Solit) mRNA	EST HUMAN	Al302019.1	2.40E-01	1.0	15277	10197	5101
Hepatitis C virus genomic KNA for polyprotein, cumprate cus		D00944.1	2.40E-01	50.2	15154	1008¥	4981
QV1-HT0412-020400-136-510 H10412 Homo sapiens CUNA	EST_HUMAN	BE160080.1	2.40E-01	0.9	15018	9926	4817
qa86c07.s1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:1693644 3	EST_HUMAN	AI123160.1	2.40E-01	1.3	14913	9816	4704
Helpesyllus salitali Caeo organi civi i a sala	2	Y13183.1	2.40E-01	78.8	14800	9708	4594
FUGU FUDIDOS FINGEN : GROUPS 12 to 25	Z	_	<u> </u>	2.4	14106	9007	3871
H. sapiens AGI gene, risti laguistit oi illagri a			2.40E-01	1.9	13363	8259	3109
gerres, complete we	N		١	2.8		8244	3093
Oryza longistaminata receptor kinase-like protein, ramily membel 12, and receiving the protein control of the protein ramily membel 12, and receiving the protein ramily membel 12.							-
Bovine adenovirus 3 complete genome	NT	2.40E-01 AF030154.1	2.40E-01	2.4	13042	7840	2756
S.pombe swi6 gene	NT		1	0.8	13023	7818	2734
D.discoldeum (Ax3-K) ponA gene	NT	Z36534.1		0.6	12792	7588	2491
Aquifex aeolicus section 12 of 109 of the complete genoritie	NT	AE000680.1	2.40E-01	0.7	12537	7323	2215
: :	SWISSPROT			1.2		7232	2122
genes penes	NT	AF111168.2	2.40E-01	0.9	12407	7202	2091
Homo sapiens serine paimitoyi transferase, subunit II gene, complete cds; and unknown			_L		1	30.0	٤
Zaocys dhumnades fructose-1,6-bisphosphatase mKNA, complete cus	NT		1	0.5	3122	6076	1858
complete cds	NT	AF267753.1	2.40E-01	8.7	_	6927	1808
Mesembryanthemum crystallinum putative potassium channel protein Mkt1p mRNA,					1.000	9	1002
Homo sapiens FLI-1 gene, partial	NT.		2.40E-01	10	11855	2	1262
Homo saplens KIAA0851 gene (partial), XT3 gene and LZTFL1 gene	NT		2.40E-01 AJ289880.1	5.9	11574	6412	1282

Human scRNA (BC200 beta) pseudogene	3	U01307.1	2.20E-01	1.2	14465	9383	. 4	$\neg$
Mus musculus MAP kinase kinase t (Mekk1) mRNA, complete cds	N	AF117340.1	2.20E-01	2.0	14373	9292	4166	
Mus musculus MAP kinase kinase tinase 1 (Mekk1) mRNA, complete cds	NT	AF117340.1	2.20€-01	2.0	14372	9292	4166	1
(Kcnk6) genes, complete cds	<b>N</b>	AF155142.1	2.20E-01	5.1	14332	9251	4125	-
Mus musculus mixed lineage kinase 3 (Mik3) and two pore domain K+ channel subunit								7
Drosophila melanogaster UNC-119 (unc-119) gene, complete cds	TIN	AF119102.1	2.20E-01	1.2		92 <u>44</u>	4118	Т
Mus musculus ATP-binding cassette protein (Abcb8) mRNA, partial cds	NT	2.20E-01 AF213391.1	2.20E-01	0.8	14220	9138	4007	7
pseudogene	NT	AF155728.1	2.20E-01	1.1		8880	3743	
Xphophorus maculatus truncated Rex1 retrotransposon reverse transcriptase (RT)								Т
Arabidopsis thaliana DNA chromosome 4, contig fragment No. 62	NT	AL161562.2	2.20E-01	2.7		8490	3346	7
bx69cx9.x1 NCI_CGAP_Ut1 Homo sapiens cDNA done IMAGE:2274832 3'	EST_HUMAN	AI824368.1	2.20E-01	1.9	13437	8325	3176	7
gene, exon 5	3	AF020503.1	2.20E-01	1.6		8041	2890	
Long spriess EDA3B common fracile region displanation triphosphate hydrolese (EHIT)	EO LONANA	BE 133023.1	2.205-01	4.0	13103	8004	2853	Т
PMZ-H10353-281299-003-812 H10353 Homo sapiens CDNA	114	BE155625.1		4.0	13102	8 0 0 0 0 0	2853	Т
Cobitis taenia mitchondriai cyt b gene for cytochrome b		AJ388469.1		:1	12450	7243	2133	Г
	Y	M34640.1	2.20E-01	1.0	12361	7155	2042	
Homo sapiens PPAR delta gene, promoter region	NT	AF187850.1	2.20E-01	1.1	11843	6672	1545	7
oz14a10.x1 Soares_fetai_liver_spieen_1NFLS_S1 Homo sapiens cDNA clone invAGE:1675290 3' similar to TR:Q13040 Q13040 ATP-BINDING CASSETTE PROTEIN;	EST_HUMAN	AI052190.1	2.20E-01	1.0	10417	5290	29	
Escherichia coll K-12 MG1655 section 130 of 400 of the complete genome	NT	AE000240.1	2.30E-01	27.0	15315	10241	5146	$\neg$
Xylella fastidiosa, section 141 of 229 of the complete genome	NT	AE003995.1	2.30E-01	3.7	15193	10121	5020	7
Human phenylethanolamine N-methyltransferase gene, complete cds	TN	J03280.1	2.30E-01	0.8	14987	9894	4956	Т
Schizosaccharomyces pombe gene for Tel1p, complete cds	NT	AB001995.1	2.30E-01	22.6	14792	9698	4582	7
Homo sapiens nuclear transport factor 2 (placental protein 15) (PP15) mRNA	NT	5031984	2.30E-01	5.1	14672	9574	4454	7
Homo sapiens mitogen-activated protein kinase p38delta (PRKM13) mRNA, complete cds	NT	AF092535.1	2.30E-01	2.1	14593	9508	<b>4</b> 386	
Synechocystis sp. PCC6803 complete genome, 1/27, 1-133859	NT	D90899.1	2.30E-01	1.0	14563	9471	4349	. 1
Mus musculus renin (Ren-1c) gene, promoter region	NT	L78789.1	2.30E-01	3.4		9424	4300	1
lyj17f01.r1 Scares placenta Nb2HP Homo saplens cDNA done IMAGE:149017 5	EST_HUMAN	R82252.1	2.30E-01	0.9	14458	9378	4253	٦
Homo sapiens KIAA0450 gene product (KIAA0450), mRNA	NT.	7662133 NT	2.30E-01	3.7		8992	3856	7
GSTA5=glutathione S-transferase Yc2 subunit (5' region, intron 1) [rats, Morris hepatoma cell line, Genomic, 2212 nt, segment 1 of 3]	NT	S82821.1	2.30E-01	1.1	13993	8904	3766	<del></del> -1
yr97h10.r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:213283 5	EST_HUMAN	H69836.1	2.30E-01	11	13583	8468	3324	
yh21b07.s1 Soares placenta Nb2HP Homo saplens cDNA clone IMAGE:130357 31	EST_HUMAN	R21732.1	2.30E-01	5.7		8196	3045	1
	NT	AB005200.1	2.30€-01	0.9	13207	8101	2950	1
no16d06.s1 NCI_CGAP_Phe1 Homo sapiens cDNA clone IMAGE:1100843 3' similar to contains Alu repetitive element;contains element THR repetitive element;	EST_HUMAN	AA601379.1	2.30E-01	1.3	13193	8085	2934	
Marinilabilia agarovorans gyrB gene for DNA gyrase subunit B, partial cds, strain:IFO 14957	NT	AB015033.1	2.30E-01	0.9	11659	6493	2794	
								1

Table 4

14466   1.2   2.20E-01   U01307.1   VIT   I4610   1.1   2.20E-01   Z54148.1   VIT   I4610   1.2   2.20E-01   D50604.1   VIT   I2611   I.2   2.20E-01   D50604.1   VIT   I5081   1.2   2.20E-01   M86524.1   VIT   I5081   1.2   2.20E-01   M86524.1   VIT   I259   0.6   2.10E-01   AA827018.1   E8   I1259   VIT   I1259   0.6   2.10E-01   AA827018.1   E8   I1259   VIT   I1259   VI				7.00.7	8.0	11398	6246	ر بر	_
14466   1.2   2.20E-01   U01307.1   NT	Homo sapiens chromosome 21 segment HS21C013	NT I	AI 16321	2.00E-01	1	T	6220	1082	
9833   14466   1.2   2.20E-01   U01307.1   NT	Homo saplens A kinase (PRKA) anchor protein (gravin) 12 (AVA 12), IIII (19)	TNE	4826749	2000		Γ	6137	995	_
9833   14466   1.2   2.20E-01	Synechocystis sp. PCC6803 complete genome, 1/21, 1017-30-30-30 mRNA	<b>Z</b> 1	D90905.1	3005.01		11093	5944	793	Γ
9833   14466   1.2   2.20E-01	Mus musculus Major Histochildaubility 2005 7/27 781449-920915	NT	AF027865.1	2.00E-01	0.6	1005		1 5	Τ
14466   1.2   2.20E-01   U01307.1   NT   Human Sextivi, (buckov best)   Passal   14466   1.2   2.20E-01   U01307.1   NT   Human beta-cytoplasmic actin (ACTEP 9831   14468   1.2   2.20E-01   U0150604.1   NT   Human beta-cytoplasmic actin (ACTEP 9831   14928   2.5   2.20E-01   L056064.1   NT   Human beta-cytoplasmic actin (ACTEP 9831   14928   2.5   2.20E-01   L056064.1   NT   Human dystrophin gene   exon 3   Passal   NCI   CGAP   PASS   Horno sa gobras sal NCI   CGAP   PASS   Horno sa gobras palsasium voltage-gale   Passal   Pass	O.Guillouna gorimina grandificial oraș class il region	Z	M77085.1	2.00E-01	1.2	10972	7930 20	Se l	T
9383   14466   1,2   2,20E-01   Up1307.1   NT	O canalculus germiline IgH heavy chain V-H pseudogene, allotype VHa2	2	7705601	2.00€-01	0.8		5687	523	Т
9383   14466   1,2   2,20E-01   U01307.1   NT		EST HUMAN	AI475599.1	2.00E-01	0.9	10676	5543	365	
9383   14466   1.2   2.20E-01   IU01307.1   NT   Human sextiva (Doctor Machine Page 201   14670   1.1   2.20E-01   ID50604.1   NT   Human beta-cytoplasmic actin (ACTBP 9831   1.2   2.20E-01   ID50604.1   NT   EST_HUMAN   2q87c05.rt Stratagene hNT neuron (#9 9836   14928   2.5   2.20E-01   A211216.1   EST_HUMAN   Augment of the proposition pens   1.2   2.20E-01   M86524.1   NT   Human dystrophin gens   exon 3   10078   1.2   2.20E-01   A827018.1   EST_HUMAN   Human dystrophin gens   exon 3   10078   1.2   2.20E-01   A827018.1   EST_HUMAN   Augment of the proposition of the pr	tc92g12.y1 NCI_CGAP_CLL1 Homo	EST_HUMAN	AI475599.1	2.00E-01	0.9	10675	5543	365	
9383   14466   1.2   2.20E-01   U01307.1   NT   Human Scrkw, (Do-Zaov Deal, Pascanda 9820   14610   1.1   2.20E-01   D50604.1   NT   Human beta-cytoplasmic actin (ACTBP 9831   1.2   2.20E-01   D50604.1   NT   Human beta-cytoplasmic actin (ACTBP 9831   1.2   2.20E-01   M85274.1   NT   Human beta-cytoplasmic actin (ACTBP 9836   14928   2.5   2.20E-01   M85274.1   NT   Human beta-cytoplasmic actin (ACTBP 9836   14928   2.5   2.20E-01   M85274.1   NT   Human cystrophin gene exon 3   14928   1.2   2.20E-01   M8527018.1   EST_HUMAN   PHATE SHOCK 27 KO PRO 5696   10820   0.6   2.10E-01   AA827018.1   EST_HUMAN   PHATE SHOCK 27 KO PRO 5696   10820   0.6   2.10E-01   AA656289.1   NT   Mus musculus interferon (alpha and by 6133   11251   0.7   2.10E-01   AE001988.1   NT   Chlamydia muldarum, section 45 of 8   12.2   2.10E-01   AE001988.1   NT   Chlamydia muldarum, section 45 of 8   12.3   2.10E-01   AE001988.1   NT   Delinococcus radiodurars R1 section 1   6594   11771   1.3   2.10E-01   AE001988.1   NT   Chlamydia muldarum section 45 of 8   12.3   2.10E-01   AE001988.1   NT   Delinococcus radiodurars R1 section 1   6594   11771   1.3   2.10E-01   AE005824.1   EST_HUMAN   Phate socion 45 of 8   12.2   12.10E-01   AE005824.1   EST_HUMAN   Phate socion 45 of 8   12.2   12.10E-01   AE005824.1   EST_HUMAN   Phate socion 45 of 8   12.2   12.10E-01   AE005824.1   EST_HUMAN   Phate socion 45 of 8   12.2   12.10E-01   AE005824.1   EST_HUMAN   Phate socion 45 of 8   12.2   12.10E-01   AE005824.1   EST_HUMAN   Phate socion 45 of 8   12.2   12.10E-01   AE005824.1   EST_HUMAN   Phate socion 45 of 8   12.2   12.10E-01   AE005824.1   EST_HUMAN   Phate socion 45 of 8   12.2   12.10E-01   AE005824.1   EST_HUMAN   Phate socion 45 of 8   12.2   12.10E-01   AE005824.1   EST_HUMAN   Phate socion 45 of 8   12.2   12.10E-01   AE005824.1   EST_HUMAN   Phate socion 45 of 8   12.2   12	tc92g12.y1 NCI_CGAP_CLL1 Homo sapiens cDNA cone invASE.2013070 3 silling to				0.0	21001	5387	193	Τ
9383   14466   1.2   2.20E-01   U01307.1   NT	Gallus gallus mRNA for avena, complete cus	NT	AR017437 1	_	200	1000+	87701	5134	Γ
9383   14466   1.2   2.20E-01   1001307.1   NIT   Human serviva (Documents page 9836   14610   1.1   2.20E-01   254148.1   NIT   Human serviva (Documents page 9837   1.2   2.20E-01   2.	Saccharomyces cerevisiae tau138 (TFC3) gene, complete cus	NT	M98261.1		1 10	149/1	877	4766	Τ
9333   14466   1.2   2.20E-01   101307.1   NIT   Human ScrRNA, (Dv.Zav vers) personal gene   9836   14810   1.2   2.20E-01   DS0604.1   NIT   Human beta-cytoplasmic actin (ACTBP 9831   1.2   2.20E-01   DS0604.1   NIT   Human beta-cytoplasmic actin (ACTBP 9836   14928   2.5   2.20E-01   DS0604.1   NIT   Human beta-cytoplasmic actin (ACTBP 9836   14928   2.5   2.20E-01   AA211216.1   EST_HUMAN   Human dystrophin gene   2.20E-01   AA211216.1   EST_HUMAN   Human dystrophin gene   4.2	Homo saplens hox11 proto-oncogene, exons 1 to 3 and hug-i gene	NT	A 1009794 1		3 1	14689	9594	4474	Γ
9383   14466   1.2   2.20E-01   IU1307.1   NT   Human StrRNA (DLZAV MELT PROPERTY   9837   1.2   2.20E-01   Z54148.1   NT   B. abortus bp26 gene   9838   14610   1.2   2.20E-01   D50604.1   NT   Human beta-cytophiasmic actin (ACTBP 9831   1.2   2.20E-01   D50604.1   NT   Human beta-cytophiasmic actin (ACTBP 9836   14828   2.5   2.20E-01   M86524.1   NT   Human beta-cytophia gene   NT neuron (#9 9836   14828   2.5   2.20E-01   M86524.1   NT   Human beta-cytophia gene   NT neuron (#9 9836   14828   2.5   2.20E-01   M86524.1   NT   Human dystrophia gene   NT neuron (#9 9836   10819   0.6   2.10E-01   AA827018.1   EST_HUMAN   Gb:Z23090 HEAT SHOCK 27 KD PRO   5696   10820   0.6   2.10E-01   AA827018.1   EST_HUMAN   Gb:Z23090 HEAT SHOCK 27 KD PRO   5696   10820   0.6   2.10E-01   AA659289.1   NT   Arabidopsis haliana DNA chromosom   6245   0.9   2.10E-01   AA659289.1   NT   Arabidopsis haliana DNA chromosom   6245   0.9   2.10E-01   AE002314.2   NT   Arabidopsis haliana DNA chromosom   6245   1176   1.3   2.10E-01   AE002314.2   NT   Arabidopsis haliana DNA chromosom   6391331   11468   1.2   2.10E-01   AE002314.2   NT   Delinococcus radiodurans R1 section 1   6391331   11468   1.2   2.10E-01   AE003198.1   NT   Delinococcus radiodurans R1 section 1   6391331   NT   CRAP COCCUS radioman   6391330   NT   CRAP COCCUS radioman	Homo sapiens pshsp47 gene, complete cds	NT I	AB010273.1	1_	1.5		2 2 2	4279	П
9383   14466   1.2   2.20E-01   Uo1307.1   NT   Human Sekryk (Oc2AV Seal Pressure   9820   14610   1.1   2.20E-01   254148.1   NT   Human beta-cytoplasmic actin (ACTBP   9831   1.2   2.20E-01   D50604.1   NT   Human beta-cytoplasmic actin (ACTBP   9836   14928   2.5   2.20E-01   D50604.1   NT   Human beta-cytoplasmic actin (ACTBP   9836   14928   2.5   2.20E-01   D50604.1   NT   Human dystrophin gene   9998   15081   1.2   2.20E-01   M86524.1   NT   Human dystrophin gene   9998   15081   1.2   2.20E-01   M86524.1   NT   Human dystrophin gene   9998   15081   1.2   2.20E-01   M86524.1   NT   Human dystrophin gene   9998   15081   1.2   2.20E-01   M86524.1   NT   Human dystrophin gene   9998   10819   0.6   2.10E-01   AA827018.1   EST_HUMAN   99:23090 HEAT SHOCK 27 KD PRO   10820   0.6   2.10E-01   AA827018.1   EST_HUMAN   99:23090 HEAT SHOCK 27 KD PRO   11259   0.6   2.10E-01   AA827018.1   EST_HUMAN   99:23090 HEAT SHOCK 27 KD PRO   11259   0.6   2.10E-01   AA827018.1   EST_HUMAN   99:23090 HEAT SHOCK 27 KD PRO   11259   0.6   2.10E-01   AA827018.1   EST_HUMAN   99:23090 HEAT SHOCK 27 KD PRO   11259   0.6   2.10E-01   AA827018.1   EST_HUMAN   99:23090 HEAT SHOCK 27 KD PRO   11259   0.6   2.10E-01   AA827018.1   EST_HUMAN   99:23090 HEAT SHOCK 27 KD PRO   11259   0.9   2.10E-01   AA827018.1   EST_HUMAN   99:23090 HEAT SHOCK 27 KD PRO   11259   0.9   11259   0.9   2.10E-01   AA827018.1   EST_HUMAN   99:23090 HEAT SHOCK 27 KD PRO   11259   0.9   112	Homo sapiens mRNA for KIAA1215 protein, partial cds	NT	AB033044 4	_1_	1.0	14184	9099	3967	
9383   14466   1.2   2.20E-01   U01307.1   NT   Human Scrkva, (DC.20v Deal, Passace 9520   14610   1.1   2.20E-01   Z54148.1   NT   Human beta-cytoplasmic actin (ACTBP 9831   1.2   2.20E-01   D50604.1   NT   Human beta-cytoplasmic actin (ACTBP 9831   1.2   2.20E-01   D50604.1   NT   Human beta-cytoplasmic actin (ACTBP 9836   14928   2.5   2.20E-01   AA211216.1   EST_HUMAN   Human beta-cytoplasmic actin (ACTBP 9836   14928   2.5   2.20E-01   AA211216.1   EST_HUMAN   Human dystrophin gene exon 3   14928   1.2   2.20E-01   AA827018.1   EST_HUMAN   Human dystrophin gene, exon 3   16078   1.2   2.20E-01   AA827018.1   EST_HUMAN   Gb.223090 HEAT SHOCK 27 KD PRO 17259   0.6   2.10E-01   AA568289.1   EST_HUMAN   Gb.223090 HEAT SHOCK 27 KD PRO 17259   0.6   2.10E-01   AA568289.1   EST_HUMAN   Gb.223090 HEAT SHOCK 27 KD PRO 17259   0.9   2.10E-01   AA568289.1   EST_HUMAN   Arabidopsis thaliana DNA chromosom in the following of the standard of the stand	IMMEDIATE-EARLY PROTEIN IE180	SWISSPROT	P116/5		1.0	14183	9099	3967	
9383   14466   1.2   2.20E-01   U01307.1   NT   Human scrkwk (bucktor brail personal person	MANIFORATE-EARLY PROTEIN IE180	NT	AF069511.1		2.0	13478	8366	3218	
9383   14466   1.2   2.20E-01   U01307.1   NT   Human scrNnA (Duzor personal pers	nette paragricus putative sodium bicarbonate cotransporter (NBC) mRNA, complete cds	NI	6912445	2.10E-01	1.7	13145	8045	2894	
9383 14466 1.2 2.20E-01 U01307.1 NT Human Schrik (DC 200 Serial parts of the psicol 14610 1.1 2.20E-01 Z54148.1 NT Human beta-cytoplasmic actin (ACTBP 9520 14610 1.2 2.20E-01 D50604.1 NT Human beta-cytoplasmic actin (ACTBP 9831 1.2 2.20E-01 D50604.1 NT Human beta-cytoplasmic actin (ACTBP 9831 1.2 2.20E-01 M86524.1 NT Human beta-cytoplasmic actin (ACTBP 9831 1.2 2.20E-01 M86524.1 NT Human beta-cytoplasmic actin (ACTBP 9831 1.2 2.20E-01 M86524.1 NT Human dystrophin gene exon 3 10078 1.2 2.20E-01 L13299.1 NT Human dystrophin gene exon 3 10078 1.2 2.20E-01 L13299.1 NT Human dystrophin gene exon 3 10078 1.2 2.10E-01 AA827018.1 EST_HUMAN gb:Z3090 HEAT SHOCK 27 KD PRO 680 10820 0.6 2.10E-01 AA827018.1 EST_HUMAN gb:Z3090 HEAT SHOCK 27 KD PRO 680 10820 0.6 2.10E-01 AA569289.1 EST_HUMAN gb:Z3090 HEAT SHOCK 27 KD PRO 680 11259 0.8 2.10E-01 AA569289.1 EST_HUMAN gb:Z3090 HEAT SHOCK 27 KD PRO 680 11261 0.9 2.10E-01 AA569289.1 NT Arabidopsis thaliana DNA chromosom 680 11261 0.7 2.10E-01 AE002314.2 NT Chlamydla muridarum, section 45 of 8 612 11271 1.3 2.10E-01 AE001988.1 NT Delinococcus radiodurans R1 section 1 6912 12097 1.4 2.10E-01 AA906824.1 EST_HUMAN gb:K02765 COMPLEMENT C3 PREC 66912 12074 0.7 2.10E-01 AA906824.1 EST_HUMAN gb:K02765 COMPLEMENT C3 PREC 66912 12074 0.7 2.10E-01 AA906824.1 EST_HUMAN gb:K02765 COMPLEMENT C3 PREC 66912 12074 0.7 2.10E-01 AA906824.1 EST_HUMAN gb:K02765 COMPLEMENT C3 PREC 66912 12074 0.7 2.10E-01 AA906824.1 EST_HUMAN gb:K02765 COMPLEMENT C3 PREC 66912 12074 0.7 2.10E-01 AA906824.1 EST_HUMAN gb:K02765 COMPLEMENT C3 PREC 66912 12074 0.7 2.10E-01 AA906824.1 EST_HUMAN gb:K02765 COMPLEMENT C3 PREC 66912 12074 0.7 2.10E-01 AA906824.1 EST_HUMAN gb:K02765 COMPLEMENT C3 PREC 66912 12074 0.7 2.10E-01 AA906824.1 EST_HUMAN gb:K02765 COMPLEMENT C3 PREC 66912 12074 0.7 2.10E-01 AA906824.1 EST_HUMAN gb:K02765 COMPLEMENT C3 PREC 66912 12074 0.7 2.10E-01 AA906824.1 EST_HUMAN gb:K02765 COMPLEMENT C3 PREC 66912 12074 0.7 2.10E-01 AA906824.1 EST_HUMAN gb:K02765 COMPLEMENT C3 PREC 66912 12074 0.7 2.10E-01 AA906824.	MOMO Sapiens polassiciii vulago sulla sull	i						١	T
9383 14466 1.2 2.20E-01   U01307.1   NT   Human Scrkvk (0C/200 pane)   9520 14610 1.1 2.20E-01   Z54148.1   NT   B.abortus bp26 gene   9520 14610 1.1 2.20E-01   D50604.1   NT   Human beta-cytoplasmic actin (ACTBP page)   9831	gb:K02765 COMPLEMENT C3 PRECURSOR (HUMAN);	EST HUMAN			0.7	12174	6989	1871	
9383 14466 1.2 2.20E-01   101307.1   NT   Human Scrkvk (BCZOV Sept.)   9520 14610 1.1 2.20E-01   254148.1   NT   Human Scrkvk (BCZOV Sept.)   9520 14610 1.1 2.20E-01   254148.1   NT   Human beta-cytoplasmic actin (ACTBP 9831   1.2 2.20E-01   AA211216.1   EST_HUMAN   2q87c05.r1 Stratagene hNT neuron (#8 9836 14928 2.5 2.20E-01   M86524.1   NT   Human dystrophin gene   9681 14928 2.5 2.20E-01   M86524.1   NT   Human dystrophin gene   AM211216.1   EST_HUMAN   Human dystrophin gene   9698 15081 1.2 2.20E-01   AA827018.1   EST_HUMAN   Phiczoposis i NCI_CGAP_Pr25 Homo sa   9698 10819 0.6 2.10E-01   AA827018.1   EST_HUMAN   Phiczoposis i NCI_CGAP_Pr25 Homo sa   9609 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   Phiczoposis i NCI_CGAP_Pr25 Homo sa   96101 11259 0.6 2.10E-01   AA827018.1   EST_HUMAN   Phiczoposis i NCI_CGAP_Pr25 Homo sa   96103 11261 0.9 2.10E-01   AA569289.1   EST_HUMAN   Phiczoposis i NCI_CGAP_Lip2 Homo sa   96103 11261 0.9 2.10E-01   AA569289.1   EST_HUMAN   Phiczoposis i NCI_CGAP_Lip2 Homo sa   96104 11771 1.3 2.10E-01   AE001988.1   NT   Chlamydla muridarum, section 45 of 8   96105 NIT   Mus musculus interferon (alpha and by interferon sa   96106 NIT   Phickoposis interferon (alpha and by interferon sa   96107   Sept.   Sept.   NT   Delinococcus radiodurans R1 section 1   96108   NT   Delinococcus radiodurans R1 section 1   96109   NT   Rattus norygalicus Olfactory marker pr	ok/3802.s1 NCI_CGAP_GC4 Homo sapiens cDNA clone IMAGE:1519610 3 similar to		0901303	2.10E-01	1.4	12097	6912	1792	
9383 14466 1.2 2.20E-01   101307.1   NT   Human Scrkvs (BCZOV Bright)   9520 14610 1.1 2.20E-01   254148.1   NT   Human beta-cytoplasmic actin (ACTBP)   9831 1.2 2.20E-01   AA211216.1   EST_HUMAN   2q87c05.r1 Stratagene hNT neuron (#8   9836 14928 2.5 2.20E-01   M86524.1   NT   Human dystrophin gene   9998 15081 1.2 2.20E-01   M86524.1   NT   Human dystrophin gene   9998 15081 1.2 2.20E-01   L13299.1   NT   Human dystrophin gene   9998 15081 1.2 2.20E-01   L13299.1   NT   Human dystrophin gene   9998 15081 1.2 2.20E-01   AA827018.1   EST_HUMAN   gb:Z3090 HEAT SHOCK 27 KD PRO   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   gb:Z3090 HEAT SHOCK 27 KD PRO   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6 2.10E-01   AA827018.1   EST_HUMAN   nm31e11.s1 NCI_CGAP_Lip2 Homo station   5698 10820 0.6	Rattus norvegicus Olfactory marker protein (Omp), mRNA		3	_	1.3	11771	6594	1467	
9383 14466 1.2 2.20E-01   101307.1   NT   Human Scrkvk (0C/200 bridge)   9520 14610 1.1 2.20E-01   254148.1   NT   Human beta-cytoplasmic actin (ACTBP)   9831	Deinococcus radiodurans R1 section 125 of 229 of the complete chromosome 1	N-	8874		1.2	11469	6313	188	T
9383 14466 1.2 2.20E-01   101307.1   NT   Human Scrkvs, (90-2000 bela)   P3831   14610   1.1   2.20E-01   Z54148.1   NT   Human beta-cytoplasmic actin (ACTBP 9831   1.2   2.20E-01   D50604.1   NT   Human beta-cytoplasmic actin (ACTBP 9831   1.2   2.20E-01   AA211216.1   EST_HUMAN   Zq87c05.r1 Stratagene hNT neuron (#8 9986   14928   2.5   2.20E-01   M86524.1   NT   Human dystrophin gene 9998   15081   1.2   2.20E-01   L13299.1   NT   Human dystrophin gene 9998   15081   1.2   2.20E-01   L13299.1   NT   Mus musculus vinculin gene, exon 3   10078   1.2   2.20E-01   L13299.1   NT   Mus musculus vinculin gene, exon 3   nr89g09.s1 NCI_CGAP_Pr25 Homo sa 9b:Z23090 HEAT SHOCK 27 KD PRO 96:Z3090	Mus misculus interferon (alpha and beta) receptor 2 (finar2), mRNA	2	6754299	2.10Ε-01	1.2	11468	8313	100	T
9383 14466 1.2 2.20E-01   101307.1   NT   Human scrkvs, (90-2000 beta-beta-cytoplasmic actin (ACTBP 9831   1.2 2.20E-01   254148.1   NT   Human beta-cytoplasmic actin (ACTBP 9831   1.2 2.20E-01   D50604.1   NT   Human beta-cytoplasmic actin (ACTBP 9836   14928   2.5 2.20E-01   AA211216.1   EST_HUMAN   Zq87c05.r1 Stratagene hNT neuron (#8 9998   15081   1.2 2.20E-01   M86524.1   NT   Human dystrophin gene 9998   15081   1.2 2.20E-01   L13299.1   NT   Human dystrophin gene 9998   15081   1.2 2.20E-01   L13299.1   NT   Human dystrophin gene 9998   15081   1.2 2.20E-01   L13299.1   NT   Human dystrophin gene 9998   15081   1.2 2.20E-01   L13299.1   NT   Human dystrophin gene 9998   15081   1.2 2.20E-01   L13299.1   NT   Mius musculus vinculin gene, exon 3   10078   10078   0.6 2.10E-01   AA827018.1   EST_HUMAN   gb:Z23090 HEAT SHOCK 27 KD PRO 96690   10820   0.6 2.10E-01   AA827018.1   EST_HUMAN   gb:Z23090 HEAT SHOCK 27 KD PRO 96690   10820   0.6 2.10E-01   AA827018.1   EST_HUMAN   gb:Z23090 HEAT SHOCK 27 KD PRO 96690   10820   0.6 2.10E-01   AA827018.1   EST_HUMAN   gb:Z23090 HEAT SHOCK 27 KD PRO 96690   10820   0.6 2.10E-01   AA827018.1   EST_HUMAN   gb:Z23090 HEAT SHOCK 27 KD PRO 96690   10820   0.6 2.10E-01   AA869289.1   EST_HUMAN   Arabidopsis thaliana DNA chromosom	Mus misculus Interferon (alpha and beta) receptor 2 (Ifnar2), mRNA	Z			0.7		6245	100	7
9383 14466 1.2 2.20E-01   101307.1   NT   Human scrkvs, loc/200 berg/   14610   1.1   2.20E-01   254148.1   NT   Human beta-cytoplasmic actin (ACTBP 9831   1.2   2.20E-01   D50604.1   NT   Human beta-cytoplasmic actin (ACTBP 9831   1.2   2.20E-01   AA211216.1   EST_HUMAN   2q87c05.r1 Stratagene hNT neuron (#9 9998   14928   2.5   2.20E-01   M86524.1   NT   Human dystrophin gene 9998   15081   1.2   2.20E-01   L13299.1   NT   Human dystrophin gene 9998   15081   1.2   2.20E-01   L13299.1   NT   Human dystrophin gene 9998   10078   1.2   2.20E-01   L13299.1   NT   Human dystrophin gene 9998   10078   1.2   2.20E-01   L13299.1   NT   Human dystrophin gene 9998   10078   1.2   2.20E-01   L13299.1   NT   Human dystrophin gene 9998   10078   1.2   2.20E-01   L13299.1   NT   Human beta-cytoplasmic actin (ACTBP 19998   1.2   2.20E-01   M86524.1   NT   Human beta-cytoplasmic actin (ACTBP 19998   1.2   2.20E-01   M86524.1   NT   Human beta-cytoplasmic actin (ACTBP 1998   1.2   2.20E-01   M86524.1   NT   Human beta-cytoplasmic actin (ACTBP 1998   1.2   2.20E-01   M86524.1   NT   Human beta-cytoplasmic actin (ACTBP 1998   1.2   2.20E-01   M86524.1   NT   Human beta-cytoplasmic actin (ACTBP 1998   1.2   2.20E-01   M86524.1   NT   Human beta-cytoplasmic actin (ACTBP 1998   1.2   2.20E-01   M86524.1   NT   Human beta-cytoplasmic actin (ACTBP 1998   1.2   2.20E-01   M86524.1   NT   Human beta-cytoplasmic actin (ACTBP 1998   1.2   2.20E-01   M86524.1   NT   Human beta-cytoplasmic actin (ACTBP 1998   1.2   2.20E-01   M86524.1   NT   Human beta-cytoplasmic actin (ACTBP 1998   1.2	Arabidopsis utaliana DNS critical State of the complete genome	4	L		0.9	11261	6103	$\neg \Gamma$	
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9383 14466 1.2 2.20E-01 U01307.1 NT Human SCRWA (00200 bela) percentage of the first percentage of the	gb: Z23090 HEAT SHOCK 27 KD PROTEIN (HUMAN);	ST HUMAN			0.6	10820	5606		İ
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9383 14466 1.2 2.20E-01 U01307.1 NT Human SCRIVA (DCZOG Della) PSSCRIP 9520 14610 1.1 2.20E-01 Z54148.1 NT B.abortus bp26 gene 9831 1.2 2.20E-01 D50604.1 NT Human beta-cytoplasmic actin (ACTBP	zq87c05.r1 Stratagene rint insurer (restrator)	ST_HUMAN	1		2.5	14928	9836		·
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	Behadis ha26 dene				Ц	14466	3383	╗	

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<b>8</b>	3349	2908	2892	2330	1928	1873	1416	1348	1088	970	648	647	640	640	470	349	105	5041	4972	4859	4367	3945	3646	3520	3442	2861	2299	1723	1688	1538	1534	1471	1419	1419	1286	1234
8576	8493	8058	8043	7433	7045	6991	Г	6476	6226	6115	5806		5799			5530	5308	10141	10075	9966	9489	9078	8785	8661	8584	8012	Г	Г		6664		6598	6547			4 6363
13688	13604		13143	12641	12236	12176		11642	11378		10932	10932	10925	10924	10764	10658		15219	15148	15051	14580	14160	13878		13698					11832	11827	11773	11722	11721	,	11525
4.6	3.4	5.6	3.9	1.2	0.9	0.6	1.4	0.8	3.2	0.6	2.5	1.8	1.3	1.3	0.7	2.0	3.5	1.1	6.1	1.1	0.9	0.8	0.8	0.9	0.8	1.0	0.6	0.6	0.7	0.6	0.9	4.8	0.8	0.8	1.3	1.4
1.80E-01	1.80E-01	1.90E-01	1.90E-01	1.80E-01	1.90E-01	1.90E-01	1.90E-01	1.90E-01	1.80E-01	1.90€-01	1.90E-01	1.90E-01	1.90€-01	1.90E-01	1.90E-01	1.90E-01	1.90E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00⊑-01	2.00E-01	2.00€-01	2.00E-01
R16467.1	D13197.1	J00922.1	U66066.1	8922533 NT	AF261940.1	AW821631.1	AF184623.1	AF061282.1	AA358813.1	7305180	BE070801.1	BE070801.1	U32581.2	U32581.2	043474	AF004353.1	7549743 NT	Y19216.1	8922080	AF147083.1	AF060195.1	X83997.1	P34641	AW238005.1	P46607	AF074990.1					AB007974.1	4503408				AJ132695.5
EST_HUMAN	NT	TN	NT	3 NT	NT	EST HUMAN	NT	ZT	EST_HUMAN	TNO	EST_HUMAN	EST_HUMAN	NT	NT	SWISSPROT	NT	3 NT	NT	ONT	TN	NT	NT	SWISSPROT	EST_HUMAN	SWISSPROT	N	N	3	T	NT	NT		NT		EST_HUMAN	NT
y/42/10.r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:129547 5'	Mouse gene for immunoglobulin diversity region 01	Gallus gallus ovalbumin (Y) gene, complete cds	Sigmodon hispidus p53 gene, partial cds	Homo sapiens hypothetical protein FLJ10581 (FLJ10581), mRNA	Spinada oleracea Alwaro ribosomal protein 5 precursor (Psrp-5) mRNA, complete cds; nuclear gene for chloroplast product	IL2-ST0311-270300-059-E04 ST0311 Homo sapiens cDNA	Plasmodium vivax reticulocyte binding protein-2 (rbp-2) gene, complete cds	Sorghum bicolor 22 kDa kafirin cluster	EST67784 Fetal lung II Homo saplens cDNA 5' end		RC3-BT0502-251199-011-d01 BT0502 Homo saplens cDNA	RC3-BT0502-251199-011-d01 BT0502 Homo saplens cDNA	Homo sapiens lambda/lota protein kinase C-interacting protein mRNA, complete cds	Homo saplens lambda/lota protein kinase C-interacting protein mRNA, complete cds	KRUPPEL-LIKE FACTOR 4 (EPITHELIAL ZINC-FINGER PROTEIN EZF)	Mus musculus pale ear (ep) gene, wild type allele, 3' region, partial cds	Rattus norvegicus Aryl hydrocarbon receptor nuclear translocator 1 (Amt1), mRNA	Homo sapiens putative psihHbD pseudogene for hair keratin, exons 1 to 9	Homo sapiens hypothetical protein ASH1 (ASH1), mRNA	Homo sapiens gamma-glutamyi hydrolase gene, exons 8 and 9 and complete cds	Mus musculus proteasome regulator PA28 beta subunit gene, complete cds	C.parasitica eapC gene	CED-11 PROTEIN	xp15b02.x1 NCI_CGAP_HN9 Homo saplens cDNA done IMAGE:2740395 3' similar to contains element MER21 repetitive element;	(HD-ZIP PROTEIN ATHB-10)	Homo sapiens full length insert cDNA YH85A11	H.sapiens Na+-D-giucose cotransport regulator gene	Methanococcus jannaschii section 67 of 150 of the complete genome	Homo saplens 14q32 Jagged2 gene, complete cds; and unknown gene	Homo sapiens sodium/iodide symporter mRNA, partial cds	Homo sapiens mRNA, chromosome 1 specific transcript KIAA0505	Homo saplens dystrobrevin, alpha (DTNA), mRNA	Mouse T-cell receptor alpha/delta chain locus	Mouse T-cell receptor alpha/delta chain locus	PM1-HT0422-291299-002-c06 HT0422 Homo sapiens cDNA	Homo sapiens rac1 gene

Page 30 of 196

yh75/12.r1 Soares piacenta Nb2HP Homo sapiens cUNA cione IMAGE:135599 5	Į.		-				
	EST HUMAN	R31497.1	1.60E-01	0.5	10948	7863	664
Homo sapiens mevalonate kinase gene, exon 6 and 7	1	AF217532.1	1.60E-01	0.6	10449	5319	120
Zea mays starch branching enzyme lib (ae) gene, complete cds	N <sub>1</sub>	AF072725.1	1.70E-01	1.2		10165	5067
Zea mays calcium-dependent protein kinase (MZECDPK2) mRNA, complete cds	NT	U28376.1		1.2		10089	4986
qh57e09.x1 Soares_fetal_liver_spieen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:1848808 3' similar to contains OFR.b1 OFR repetitive element:	EST_HUMAN	Al247635.1	1.70E-01	1.4	14935	9843	4732
Schistocerca gregaria alpha repetitive DNA	NT	X52936.1	1.70E-01	1.9		9579	4459
Homo saplens derivative 11 breakpoint fragment: partial intron 10 of the ALL-1/MLL/HRX gene fused to intron 5 of the AF-4/FEL gene	NT	AJ235377.1	1.70E-01	4.4	14094	8995	3859
Homo sapiens hap1 gene, complete CDS	NT	AJ224877.1	1.70E-01	1.0	13794	8696	3557
Oryzias latipes mRNA for guanylate cyclase OIGC-R1, complete cds	NT	AB015873.1	1.70E-01	2.3	13326	8227	3076
Oryzias latipes mRNA for guanylate cyclase OIGC-R1, complete cds	NT	1.70E-01 AB015873.1	1.70E-01	2.3	13325	8227	3076
Taxus canadensis geranyigeranyi diphosphate synthase mRNA, complete cds	NT	AF081514.1	1.70E-01	1.9	13317	8218	3067
Naja naja atra ctx-1 gene, exons 1-3	NT	AJ238736.1	1.70E-01	1.4	13226	8118	2967
Naja naja atra ctx-1 gene, exons 1-3	NT	AJ238736.1	1.70E-01	1.4	13225	8118	2967
EST41651 Endometrial turnor Homo sapiens cDNA 5' end	EST HUMAN	AA336909.1	1.70E-01	1.7	13148	8047	2896
ypoxanthine phospho otease regulatory pro	NT T	1.70E-01 AF000716.1	1.70E-01	1.9	13081	7980	2829
Vibrio cholerae hypoxanthine phosphoribosyltransferase (hpt) gene, partial cds, hemagglutinin/protease regulatory protein (hapR) gene, complete cds, and YRAL VIBCO gene, partial cds	T	AF000716.1	1.70E-01	1.9	13080	7980	2829
Homo sapiens BNIP3H (BNIP3H) gene, complete cds; nuclear gene for mitochandrial product	NT .	AF255051.1	1.70E-01	1.4		7055	1938
Lymantria dispar nudeopolyhedrovirus, complete genome	3	AF081810.1	1.70E-01	0.6	11335	6182	1042
Lymantria dispar nudeopolyhedrovirus, complete genome	NT	AF081810.1	1.70E-01	0.6	11334	6182	1042
NEUROFILAMENT TRIPLET L PROTEIN (NEUROFILAMENT LIGHT POLYPEPTIDE) (NF-L)	SWISSPROT	P35616		0.6		6092	945
P.dumerili histone gene cluster for core histones H2A, H2B, H3 and H4	NT	X53330.1	1.70E-01	0.7	11091	5939	788
601274604F1 NIH_MGC_20 Homo saplens cDNA done IMAGE:3615768 5*	EST_HUMAN	BE385164.1	1.70E-01	0.6	10841	5725	563
Homo Sapiens hisH1 gene, 5' UTR	NT	AJ000742.1	1.80E-01	1.0		10213	5117
157e04.x1 NCI_CGAP_Lym12 Homo sapiens cDNA done IMAGE:2134590 3'	EST_HUMAN	AI439881.1	_	1.3	15229	10153	5053
Mesocricetus auratus Na-taurocholate cotransporting polypeptide mRNA, partial cds	NT	AF181258.1		4.2	15202	10128	5027
MR3-ST0203-151299-112-g06 ST0203 Homo sapiens cDNA	EST_HUMAN	AW814270.1		1.8	15150	0080	4977
S.tuberosum mRNA for alcohol dehydrogenase	NT	X92179.1		0.9	14909	9812	4700
Human laminin S B3 chain (LAMB3) gene, exon 13	NT	U17755.1	1.80E-01	1.1	14801	9709	4595
Arabidopsis thaliana DNA chromosome 4, contig fragment No. 56	NT	AL161558.2	1.80E-01	5.1	14673	9576	4456
Bovine NB25 mRNA for MHC class II (BoLA-DQB), complete cds	NT	D37954.1		=		9363	4238
Homo sapiens Xq pseudoautosomal region; segment 1/2	NT	AJ271735.1		0.8	14360	9280	4154
ontains Alu repetitive element;	EST_HUMAN	H03369.1	1.80E-01	=	13808	8709	3570

37 84	3013 8165	Т	1:	$\neg \neg$	╗	╗	7	1198 6330	1104 6242	1097 6235		Т	1	_	4958 10061	4889 9996	4889 9996	Т		┑	7	٦		$\neg$	7	_	T	$\neg$	7	┪	П	٦	┪	2247 7353	194	Т	1882 7000
8453 13566	85 13266	Ī	Τ			33 11543		30 11485	11395	35	9 11370	I	٦	٦	15133	6 15079		T		$\neg$		14983	3	5	14454	14440						12750	12647	12560		Т	12185
4.2	3.5	0.9	0.0	D	0.5	1.0	1.0	1.4	1.0	0.6	0.6	0.9	1.4	0.7	<u>:</u>	9.1	1.9	-	•	7.1	0.9	0.9	4.0	2.4	4.0	7.9	0.9	1.3	1.3	8.9	8.9	0.8	1.0	1.8		1.0	0.9
1.50E-01	1.000	1.500.01	1.501-01	1 500-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01			1.50E-01	1.50E-01	1.50∈-01	1.50E-01	1.60E-01	1.602-01	_	1.000	1 60E 01	1.60E-01	1.60E-01	1.60E-01	1.60E-01	1.60E-01	1.60E-01	_	1.60E-01	_	1.60E-01	1.60E-01	1.60E-01	1.60E-01	-	1.60E-01		1.60E-01	1.60E-01 P22063
AA935049.1	701100	B01138	MARAAAA	aw/444451.1	AF117340.1	D26535.1	D26535.1	AW195516.1	Q12697	L36125.1	AJ251885.1	AJ009735.1	AL163284.2	U34206.1	BE018707.1	AJ000000	) DOGGE 4	A 1006356 1	A A D R R 3 4 3 . 1	AF187881.1	Z28330.1	Z28330.1	6753319	AW968601.1	AL163279.2	AF179680.1	A1810954.1	AJ003165.1	AJ003165.1	AF185589.1	AF185589.1	AB037729.1	X94232.1	AF109907.1		U10334.1	22063
EST HUMAN	0.1.00	SWISSPROT		EST HUMAN	N <sub>1</sub>	N.	NT	EST HUMAN		N	Z	3	27	Z <sub>1</sub>	EST HUMAN		N.7		EST HUMAN	N	3	Zī		EST_HUMAN	3	NT	EST HUMAN	NT	NT	S	Z	Z	Z	NT		NT	OVI JOST NO.
gb:M11433 RETINOL-BINDING PROTEIN I, CELLULAR (HUMAN);	no68rt05 s1 NCI CGAP GC4 Homo sapiens cDNA clone IMAGE:1571337 3' similar to	BETA-NERVE GROWTH FACTOR PRECURSOR (BETA-NGF)	Bos taurus factor V variant 2 (factor V) mRNA, complete cds	UI-H-BI3-akb-b-09-0-UI.s1 NCI_CGAP_Sub5 Homo sapiens cDNA clone IMAGE:2733641 3	Mus musculus MAP kinase kinase killase i (wekki) ilikaki, wilibox sa	Human gene for diffydiolipolaliniae sacconfydiainiae sacconfydiaeth a montaeth cyfs	Human gene for dinydrolipoalitide succlinytransferase, complete cds (exon 1-15)	xnosu II.x I Not Cook I Not i Tring appearance complete ads (exon 1-15)	PROBABLE CATION INVISTORITIES CON Clone IMAGE:2696085 3'	RAINS HOVER CATION TRANSPORTING ATPASE 9	Homo sapiens pared a Secretary general consentration (GLUT4) gene, 5' end	Cyprinus carpio mikina for E.G. 222 myosiin filidayy chain, 3011.	Homo saplens chromosome 21 segment risk reservices		gb:M61715 TRYPTOPHANYL-TRNA SYNTHETASE (HUMAN); gb:X6965/ Millusculus (MOUSE);	bb83h08.y1 NIH_MGC_10 Homo sapiens cDNA clone IMAGE:3049023 5' similar to		Lycopersicon esculentum Rsal fragment 2, satellite region	to TR:E221955 E221955 38,855 BP SEGMENT OF CHROMOSOME XIV.:		S.cerevisiae chromosome XI reacing iname UNT TINN 1995	S.CefeVisiae Chroniusume Al reduing harris on the VKB4050	Mus musculus chaperonin subulin o (gaining) (Swa), inches	EST380677 MAGE resequences, MAGJ number of makes	Homo sapiens chromosome z I seginlent i uz roore	Homo sapiens apelin gene, complete cds	tu09f09.x1 NCI_CGAP_Prz8 Homo sapiens culva ciulie livrosc	Populus trichocarpa cv. Trichobel ABI3 gene	Populus trichocarpa cv. Inchopel Abio genie	Homo saplens cytochrome P400 3A4 (CTF3A4) gene, promocor ingene	Homo sapiens cytochrome F430 304 (CVD3AA) gene promoter fedion	Homo sapiens mixing local (CVP344) cene promoter region	H. sapiens mr.NA for novel 1-cell acuvation protein	and S171 gene, partial COS	Homo saptens S164 gene, partial cds; PS1 and hypothetical protein genes, complete cds,		The section of the se

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9	5032	4803	4313	4144	4083	4083	3823	3823	2762	2426	1942	1863	1717	1714	1238	892	296	5072	4929	4680	4680	4091	4006	3964	3806	3806	3791	3706	3696	0000	3380	3322	3322
10212	_		9436	9270	9210	9210			7846		П	6981		6837	6367	6040	5482	10170	$\rightarrow$	П	П	П	⋮	•	Т	8943	8928	8844	8835	200	8533	8466	8466
15291				14349	14295	14294	14057	14056	13049	12731		•	12019					15248	15108	14894	14893	14300	14219	14181	14039	14038	14022	13935	13926	10000	12600	13581	13580
1.0		i.	0.8	3.2	Γ		1.0	1.0	1.1	1.0	3.7	0.9	0.6	0.5	0.6	0.9	0.7	0.9	1.3	1.1	1.1	8.4	1.0	1.0	0.8	0.8	2.4	185.3	1.3	1	10	0.9	0.9
1.40=-01	1.401-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1,40E-01	1.40E-01	1.40E-01	1.40E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01		1 50E-01	1.50E-01	1.50E-01
ML 103204.2		AL049866.2	AA776287.1	AE001/10.1	-1	_	R59232.1				AA720615.1	AW135741.1	AE001710.1	6679980	T91864.1	D78638.1	AF009663.1	AF003105.1	AL161560.2	BE173796.1	BE173796.1	AL163284.2	Z12628.1	AW366659.1	AJ003165.1	AJ003165.1	AW665983.1	7108358 NT	U09964.1		AW612237.1	Z23104.1	Z23104.1
7	NT CONTRACT	'1	EST_HUMAN	2	EST FORMAN	`h		EST HUMAN	EST HUMAN	SWISSPROT	EST HUMAN	EST_HUMAN	2		EST HUMAN	3	N	Z	3	EST HUMAN	EST HUMAN		NT	EST HUMAN	NT	NT	EST HUMAN	l '	NT		EST HUMAN	4	NT
LIMITED CONTINUES OF THE CONTINUES OF TH	Homo sanians chromosoma 21 sagment HS21C084	protein 275, Zinc finger protein 92, mmxq28orf  Protein 275, Zinc finger protein 92, mmxq28orf  Protein 275, Zinc finger protein 92, mmxq28orf  Protein 275, Zinc finger protein 92, mmxq28orf  Protein 275, Zinc finger protein 92, mmxq28orf  Protein 275, Zinc finger protein 92, mmxq28orf	3' similar to gb:X01057_ma1 (NTERLEUKIN-2 RECEPTOR ALPHA CHAIN PRECURSOR (HUMAN);contains Alu repetitive element;	intelligence for the liver grisen 1NE'S S1 Homo sapiens cDNA clone IMAGE:453673	Thomston marting section 22 of 138 of the complete cenome	to Source I NO. COAD 1:04 Homo seniens cDNA clone MAGE:2273570 3'	ygg/aux.11 States illiam blain into home saplans cDNA done IMAGE:2273570 3'	yg9/au3.r1 Soares Infant Grain TNIB Homo seniens cDNA done IMAGE:41467.5	Wm/4001.X1 NOI COME OR TIGITO September CONA Clone IMAGE:41467 5	GLYCEROL-3-PHOSPHATE ACYLI RANGERNASE FINECONSON (STOT)	ny/2d07.s1 NCI CGAP GCB1 Homo sapietis cover doile impochi access	UI-H-BI1-acf-a-09-0-UI.s1 NCI_CGAP_Sub3 Homo saplens cDNA clone IMAGE:2714009 3	Thermotoga manuful secucit 22 of 150 of the complete Borrows	MUS MUSCUIUS Growing 22 of 128 of the complete genome	yd54c01.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:112032 3	Xenopus laevis mikina for Dina (cyusiire-3-milediyidarisidas), sairpissa sa	Homo sapiens i celi recepior della locus, i Chorvosor lo i chorva locus i celi		Arabidopsis maliana UNA chromosome 4, coming inspiritor, no. co	CM0-HT0565-280200-245-510 HT0363 Florid Sapielis CDVN	CMO-HT0565-280200-245-610 H10565 H-10565 ID-10565 CDNA	Homo sapiens chromosome 21 segment roz rover	B.napus miliochondron UNA for UNIT 100	RC2-HT0149-191099-012-c09 H10149 Homo sapiens curv	Populus trichocarpa cv. Trichobel ABI3 gene	Populus trichocarpa cv. Trichobel ABI3 gene	h)10/06x1 Soares_NFL_T_GBC_S1 Homo sapiens CUNA Civile IMAGE. 2001711 0	mitochondrial protein, mRNA	complete cds	Mus musculus ICRVSwiss glyceraldehyde 3-phosphate dehydrogenase (Gapd-S) gene.	hh29f02.x1 NCI_CGAP_Lu24 Homo sapiens CUNA clone IMAGE.2500056 5 silliller w contains element MER16 repetitive element;	L.stagnalis mRNA for G protein-coupled receptor	L.stagnalis mRNA for G protein-coupled receptor

I Dillo dabiata construitor amagairir.	141	AFUSSA4Z.	1.202-01	6.0		5698	535
Homo sanians colon cancer anticen NY-CO-45 mRNA, partial cds	27	VE03017.	1.205-01	0.5		1	418
gb:U05760 mat ANNEXIN V (HUMAN);	EST HUMAN	AI421744.1	1.20E-01	2.5	10717	5584	378
Mycobacterium tuberculosis marks confipera geniums, segment critical	2	Z73419.1	1.30E-01	0.9	15279	10199	5103
Homo sapiens chromosome 21 segiment noziroos	S	AL163284.2	1.30E-01	1.2	15251	5074 10172	5074
Homo sapiens chromosome 21 segment HS21Cvo4	3	AL163284.2	1.30E-01	1.2	15250	10172	5074
601126096F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:Z990003 0	EST_HUMAN	BE272339.1	1.30E-01	2.2	14648	9554	4433
Homo sapiens chromosome 21 segment HSZ1CU80	N,	AL163280.2	1.30E-01	1.7		9342	4218
xv23f10.x1 Soares_NFL_T_GBC_S1 Homo sapiens cunA done invAde.20109903	EST HUMAN	AW273741.1	1.30E-01	16.4	14302	9219	4093
Schistosoma mansoni fructose bisphosphate aldolase mknva, complete cus		AF026805.1	1.30E-01	1.9	14288	9202	4075
QV3-DT0018-061299-036-a03 DT0018 Homo sapiens CDNA	EST_HUMAN	AW364341.1	1.30E-01	3.4		9193	4066
Bacteriophage SPBc2 complete genome		AF020713.1	1.30E-01	1.2		9173	4046
Arabidopsis thaliana DNA chromosome 4, contig tragment No. //	T	AL161581.2	1.30E-01	1.7		9041	3906
Rattus norvegicus Fibrinogen, gamma polypepude (rgg), mixiva		6978840	1.30E-01	9.0	13963	8871	3734
Pyrococcus horikoshli OT3 genomic DNA, 1-287000 nt. position (1//)	NT	AP000001.1	1.30E-01	0.9	13885	8800	3714
Pyrococcus horikoshii OT3 genomic DNA, 1-28/000 nt. position (1//)	NT	AP000001.1	1.30E-01	0.9	13894	8800	3714
Homo saplens DD4 gene for dihydrodiol dehydrogenase 4 [AKK 1C4], exon 2	NT	AB032159.1		0.8	13900	88 06	3667
Pyrococcus horikoshii OT3 genomic DNA, 1-287000 nt. position (1/7)	NT	AP000001.1	1.30E-01	1.2	13895	8800	3661
Pyrococcus horikoshii OT3 genomic DNA, 1-287000 nt. position (1//)	NT	AP000001.1	_	1.2	13894	8800	3661
Bovine branched chain alpha-keto acid dinydrolipoyi transacylase mkny, complete cus	NT	M21572.1	1.30E-01	1.0	13654	8546	34 24 24
Carassius auratus keratin type i mRNA, complete cds	NT	M86918.1	1.30E-01	1.3	12838	7638	2542
Archaeoglobus fulgidus section 91 of 172 of the complete genome	NT	.30E-01 AE001016.1	1.30E-01	1.1		7432	2329
	EST_HUMAN	AW812104.1	1.30E-01	1.2		7351	2245
	ZT ·	AJ243578.1	1.30E-01	1.3		7234	2124
	NT	AL117078.1	1.30E-01	0.9	12221	7033	1916
Homo sapiens adapter protein CMS mRNA, complete cds	NT	AF146277.1	1.30E-01	1.4		6553	1426
Botrytis cinerea strain T4 cDNA library under conditions of nitrogen deprivation	NT	AL115265.1		0.8		6248	1111
Botrytis cinerea strain T4 cDNA library under conditions of nitrogen deprivation	NT	AL117078.1		0.5	11303	6150	1010
Rattus norvegicus A-kinase anchor protein mRNA, complete cds	T	AF139518.1	_	0.6	1100	6024	876
P.dumerili histone gene cluster for core histones H2A, H2B, H3 and H4	NT	X53330.1		1.1	11135	5975	826
HU/NLV/Girlington/93/UK	NT	AJ277606.1	1.30E-01	0.9	10902	5779	620
HU/NLV/Girlington/93/UK	NT	AJ277606.1	1.30E-01	0.9	10901	5779	620
Human caliciving HI I/NI V/Girlington/93/UK RNA for capsid protein (ORF2), strain		Voctorios:	1.305-01	0.0	10000	7000	010
Homo sanians gene for NBS1, complete cds	Z	AB013130 1		0.0	2002	2000	218
Homo sapiens G protein-coupled receptor 50 (GPR50) mRNA	Z	4758467 NT	1 305-01	0.6	10000	200	are
Lycopelatoni ascentini ponome (3. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	T	4768467 NT	1.400	0.0	10316	10242	5147
I vector esculentim genomic RAPD band 26	AIT	10054004	_	ķ			

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In18d08.x1 NCI CGAP Bm25 nomb sapietis CONST acris in Table 1	EST HUMAN	AI561003.1	1.102-01	1.0	10833	5715	7.70
UI-HF-BKO-aah-d-01-0-UI-r1 NIH_MGC_36 Homo sapiens curix duris invoce-score in age 2167883 3'	EST_HUMAN	1.20E-01 AW401836.1	1.20E-01	2.5		10290	7100
	OVVIOURNOI	Q10441	1.20E-01	1.5	15340	10268	5174
HYPOTHETICAL 52.4 KD PROTEIN C12B10.08C IN CHROMOSOME I	CWISCODOT	U10447	1.202-01	1.5	15339	5174 10268	5174
HYPOTHETICAL 52.4 KD PROTEIN C12B10.08C IN CHROMOSOME I	SWISSPACE	P16466	1.20E-01	1.0		5012 10114	5012
HEMOI YSIN PRECURSOR	CMICCEDOT	232//4.1	1.20E-01	6.7	14978	9885	4775
H saniens gene for N-methyl-D-aspartate receptor R1 exons 6-21	1	232/14.1	1.20=-01	6.7	14977	8885	4775
H sapiens gene for N-methyl-D-aspartate receptor R1 exons 6-21	21	799774 4		21	14848	Г	4745
nt)	Z	C65010 1		4			
much frats, Sprague-Dawley, sulfur-dioxide-treated tracheal epithelium, mKNA Faruar, 390				2.6	14299	9216	4090
P.clarkii mRNA; repeat region (ID 2MRT7)	3	Z54255.1	_	33	1200	Т	4090
P.clarkii mRNA; repeat region (IU 2MKI/)	N	Z54255.1	_	22	200	Т	3 3
Bacilius subtilis compiete genorite (secucii 130121).	NT	Z99118.1	1.20E-01	1.2		Т	222
Wheat mining to a group or law entroy (sporting 15 of 24): from 2795131 to 3013540	Z	X56882.1	1.20E-01	1.1	13731	8618	2477
wheat limbs to a group 3 late embryogenesis abundant protein (LEA)	2	X56882.1	1.20E-01	1.1	13730	8618	3477
Without monitor of common 3 late embryogenesis abundant protein (LEA)	2	Z99118.1	1.20E-01	0.8		8575	3433
	N.	U67600.1	_	1.0		8367	3219
Methanococcus lannaschil section 142 of 150 of the complete genome	EST FUNMIN	AW370668.1	1.20E-01	2.0	13455	8341	3192
OVA STORES 281000-021-d05 BT0259 Homo saplens cDNA	1	M863/6.1	1.20E-01	2.0	13439	8326	3177
Pat trannelastin nene, exon 28-36	2	M863/6.1		2.0	13438	8326	3177
Dat translastin dene exen 28-36		V20005'	-	1.0	13232	8125	. 2974
Wheat mRNA for a group 3 late embryogenesis abundant protein (LEA)		W.10004.1		2.8	13160	8055	2904
Human creatine kinase-B mRNA, complete cds		MARSEA 4		2.0	13126	8023	2872
gb:L05095 60S RIBOSOMAL PROTEIN L30 (HUMAN);	EST HUMAN	A1720A70 1		2			
Turilari E in British Colon HDI RR7 Homo sanians cDNA clone IMAGE:2335024 3' similar to	2	U18018.1	1.20E-01	1.5	13069	7963	2812
Williams certain the state of t	HUMAIN	AI623388.1		0.9	12983	7783	2697
TR:Q14048 Q14048 COLLAGEN VI ALPHA-2 ALTERNATIVE C-TERMINAL DOMAIN. [1]							<b>;</b> .
to 18 TO 1 NCI CGAP Pan1 Homo sapiens cDNA done IMAGE:2228988 3' similar to	EST DOMAIN	AW996556.1	1.20E-01 /	0.7	12842	7642	2546
TOTIO SAPIGIS CITICITICO E 10 BN0046 Homo sapigns cDNA		AL163213.2	1_	1.0	12557	7346	2240
UI-H-BI3-aki-e-10-0-UI.81 NCI_CGAP_Sub5 Homo sapielis curvo curio introductione con contract HS21C013	THUMAN	AW449368.1	1.20E-01 /	0.5		6995	1877
VIDIO IMIRSSI GIIIXXXXXIII 1900 BOTTO, TOTTO IN COME IMAGE 2734554 3'	2	U41418.1	1.20E-01	0.6		6862	1739
n.sapielis cito, in chegeriane complete cds		X89211.1	┺.	11.0		6853	1730
Hospins DNA for endogenous retroviral like element	- NOWEN	A1285402.1	┺	1.0	11928	6757	1631
TRANSCRIPTION FACTOR NFAT3) (NF-ATC4) (NF-AT3)  18000 - NCI CGAB Eso? Homo saplens cDNA clone IMAGE:1960553 3'	SPROT	Q14934		1.2	11909	6739	1613
NICLEAR EACTOR OF ACTIVATED T-CELLS, CYTOPLASMIC 4 (T CELL	EST HUMAN	AA897474.1	1.20E-01 A	:1	_	6617	1490
al48e09.s1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA Cone IMAGE:14e0554 3 SIIIIII to TR-016671 Q16671 ANTI-MULLERIAN HORMONE TYPE II RECEPTOR PRECURSOR.	- 01						

8	•	711100000000000000000000000000000000000	1_	0.0	12.5	2201	
MR1-CT0355-180200-007-c07 CT0355 Homo sapiens cONA	EST HUMAN	AW862179 1		000	13345	3000	
Arabidopsis thallana DNA chromosome 4, contig fragment No. 16	NT	AI 161504.2		10	11664	8409	1370
Hellcobacter pylorl, strain J99 section 53 of 132 of the complete genome	NT.	AE001492.1	1	1.0	11632	22.52	1336
ws08d01.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE::2496577 3' similar to contains MER7.t3 MER7 repetitive element;	EST_HUMAN	Al985499.1	1.00E-01	0.6	11539	6380	1251
	SWISSPROT	062855	1.00E-01	1.4		6316	1183
genes and allA gene	N	Z83335.1	1.10E-01	:1	15152	10082	4979
S.pneumoniae dexB, cap1[A,B,C,D,E,F,G,H,I,J,K] genes, dTDP-mamnose biosynthesis							
Synechocystis sp. PCC6803 complete genome, 10/27, 1188886-1311234	NT	1.809090	1.10E-01	1.3	15019	9928	4819
A.Immersus gene for transposase	NT	Y07695.1	1.10E-01	1.3	14929	9837	4725
1973 nt, segment 1 of 7]	NT	S44957.1	1.10E-01	2.0	14746	9658	4539
Fugu rubripes neuroinformatiosis type 1 (NT), A-Akinase anchior protein (NXAFO+), bAVV  protein (BAW), and WSB1 protein (WSB1) genes, complete cds  protein (BAW), and WSB1 protein (WSB1) genes, complete cds	NT	AF064564.2	1.10E-01	0.9	14682	9586	4466
	SWISSPROT	P14728	1.10E-01	5.9		9464	4341
IL5-UM0070-020500-068-a08 UM0070 Homo saplens cDNA	EST_HUMAN	AW802056.1		0.8	14399	9315	4189
	NT	AF157066.1	1.10E-01	7.9		9285	4159
Mus musculus major histocompatibility locus class III region:butyrophilin-like protein gene, partial cds; Notch4, PBX2, RAGE, lysophatidic acid acyl transferase-alpha, palmitoyl-protein thioesterase 2 (PPT2), CREB-RP, and tenascin X (TNX) genes, comple>	NT	AF030001.1	1.10E-01	0.9		9155	4027
MR3-ST0290-290100-025-g07 ST0290 Homo sapiens cDNA	EST_HUMAN	AW819412.1	1.10E-01	1.3	14231	9150	4021
	EST HUMAN	AW819412.1	1.10E-01	1.3	14230	9150	4021
G.gailus gene encoding non-histone chromosomal protein HMG-14b, exons 4 and 5	NT	X52708.1	1.10E-01	1.2	13880	8787	3648
A.Immersus gene for transposase	NT	Y07695.1		0.9	13778	8675	3534
C.reinhardtii nuclear gene on linkage group XIX	NT	X62135.1	1.10E-01	1.5	13655	8 <u>5</u> 47	3405
601308679F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3627066 5'	EST_HUMAN	BE393186.1	1.10E-01	3.0	13624	8517	3374
Mus musculus calcium channel, voltage-dependent, T type, alpha 1G subunit (Cacna1g), mRNA	NT	6753231 NT	1.10E-01	1,4		8445	3299
HSC1RF022 normalized infant brain cDNA Homo sapiens cDNA clone c-1rf02 3'	EST_HUMAN	F03265.1		0.8	13249	8149	2997
Interleukin-12 p35 subunit [mice, Genomic, 700 nt, segment 4 of 5]	NT	S82418.1	1.10E-01	1.8	13078	7976	2825
RC0-ST0379-210100-032-g04 ST0379 Homo saplens cDNA	EST_HUMAN	AW821909.1	1.10E-01	1.2		7616	2520
Rattus norvegicus Procollagen II alpha 1 (Col2a1), mRNA	NT	6978676 NT	1.10E-01	1.2		7875	2492
Mus musculus pre T-cell antigen receptor alpha (Ptcra), mRNA	NT	6755215 NT	1.10E-01	0.8		7372	2266
Xenopus laevis 14S cohesin SMC1 subunit mRNA, complete cds	NT	AF051784.1	1.10E-01	0.9		6940	1821
Synechocystis sp. PCC6803 complete genome, 23/27, 2868767-3002965	NT	D64004.1	_	8.0	11522	6359	1229
EST384142 MAGE resequences, MAGL Homo saplens cDNA	EST_HUMAN	AW972158.1	$\blacksquare$	1.4	11431	7908	1143
	T	AL161560.2	1	1.3		6207	1069
nm08g11.s1 NCI_CGAP_Co10 Homo sapiens cDNA Gone IMAGE:105620 3 Similian to gb:x06985_ma1 HEME OXYGENASE 1 (HUMAN);	EST_HUMAN	AA569006.1	1.10E-01	1.2	10876	5757	599
The second of th	Ţ						

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10541 1.6 0.20E-02   180315.1 NT	228 5419 10540 1.5 9.20E-02 U60315.1 N	3.1 EST TOWN	3.5 9.30E-02 BEG91943.1 EGT HIMAN	1.2 BOOD TOOGOT.	13000 4.7 6:00E 02 E:00:00	930E-02 178810.1 NT	2993 8145 5.4 9.30E-02 6912525 NI HOM	
Molluscum contagiosum virus subtybe i, cumpiere generic	Wolliaculii College Co	contraction wirus subwood 1, complete genome	En128E082F1 NIH MGC 44 Homo sapiens cDNA clone IMAGE:3607653 5	Homo sa	Fightings hso70-5 gene, 5'	Homo sapiens ADP/ATP camer protein (ANT-2) gene, compress see	Homo Sapiellis lidasopiiai yligear oparamiain ale complete cita	occiono pascobarrareat enithellum specific protein 1 (NESG1), mRNA

- h	2330	2320	514	2	4568	4321	4202	4202		3294	2772	2772	1617	727		4383	3989	3959	3959	3618	2365	417	4538	1107	4145	3203	3142	2180	228	228	228	4060	4060	3226	3051	2993	
4534 9653	Т	٦.	Т	П	7	Т	)2 9327	9327	Т	7	$\neg$	Т	7 6743	7 5881		3 9505	_	_	$\Box$	Т	Т	Т	Т	Т	9271	Т	Т	Т	T	Т		9187	9187	_	Т	8145	
9653 14/40	Т	Ţ	T	T	П	1	7 14416	7 14415	П		$\cdot$	٦	3 11911	11022		14590		٦	14175	T	٦	٦	14745			10010	Τ	Τ	10342	Г	Г	14271	14270	13482	13303		
1 0.8	Ī	T		T	1		0.8	0.8		0.9			2.3	1.2		1.8	1.6	1.1	1.1		1.0			1.0	1.3	<u>م</u>	T	T	2 5	1.5	1.5	3.5	3.5	1.2	2.4	5.4	
8.80E-02	9 000	8.90E-02	9.00E-02	9.00€-02	9.00E-02	9.00E-02	9.00E-02	9.00E-02		9.00E-02	9.00E-02	9.00E-02	9.00E-02	70-300'B		9.10E-02	9.10E-02	9.10E-02	9.10E-02	9.10E-02	9.10E-02	9.10E-02	9.20E-02	9.20E-02	9.20E-02	9 20E-02	a.20E-02	0.200	0.20E-02	9.205.02	9.201-02	9.30E-02	9.30E-02	9.30E-02	9.30E-02	9.30E-02	
2 027474			_	2 024597	2 X65740.2	P55268	S68757.1	S68757.1		9.00E-02 AF279135.1	9.00E-02 AF138522.1	9.00E-02 AF138522.1	BE220482.1	F 13320		AL161554.2		P16415	P16415	AW372569.1	P78985		X96402.1	BE299722.1	U92048.1	6755215	AA534354.1	CORRAT	R54156.1	1160345 4	U60315.1	BE391943.1	BE391943.1	Y08582.1	L78810.1	6912525 NT	
SWISSPROT	EST HUMAN	EST HUMAN	EST_HUMAN	SWISSPROT	NT	SWISSPROT	NT	N		NT T	NT	NT	EST_HUMAN	0	SWIEGE BOT	2	SWISSPROI	SWISSPROT	SWISSPROI	EST HUMAN	SWISSPROT	NT	NT	EST_HUMAN	NT		EST HUMAN		EST HUMAN	NT.	2 7	בטן חטואאוא	'k		NT	5 NT	
Ц	zw03d04.s1 Soares NhHMPu_S1 Ho					LAMININ BELAZ CHAIN FRECONTO COMMINING		The man de la company de la co	contcosteroid-binding globulin [Salmin sclureus≕squirrel monkeys, liver, mRNA, 1474 nt]	Dictyostellum discoldeum spore coat suuciural protein of the (the first protein of the first	HIV-1 p8c085-06 from USA envelope glycoprotein (env) gene, penue: complete cds		contains Alu repetitive element;	hv39g10.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3175842 3' similar to	(FOLATE RECEPTOR, ADULT) (ADULT FOLATE-BINDING PROTEIN) (FBP) (OVARIAN TI IMOR ASSOCIATED ANTIGEN MOV18) (KB CELLS FBP)	FOLATE BECEBTOR AI DHA PRECLIRSOR (FR-ALPHA) (FOLATE RECEPTOR 1)	Ambidancie theliana DNA chromosome 4. contia fragment No. 54	ZINC FINGER PROTEIN AFTER BIOLA OTIN-RINDING PROTEIN 2) (HS II)	ZINC FINGER PROTEIN ZED 36:	PM2-BT0349-161299-001-02 BT0348 FIGNIO Sapratio Control		O. cuniculus k12 keratin gene	G.gallus Mia-CK gene	600944365F1 NIH MGC_17 Homo sapiens curva cione introde: 2900170 0	Human herpesvirus 1 strain KOS-63, latency-associated transcript, promoter region	Mus musculus pre T-cell antigen receptor alpha (Ptcra), mRNA		MAJOR EPIDIDYMIS-SPECIFIC PROTEIN E4 (EPIDIDYMAL PROTEIN BE-20)	101		Molluscum contagiosum virus subtype 1, complete genome	Mollingum contaniosum virus subtyce 1. complete genome	601286082E4 NIH MGC 44 Homo saplens cDNA clone IMAGE:3807653 5		camer protein	Homo sapiens nasopharyngeal epimellum specific proveii 100000000000000000000000000000000000	ILL III. SOCIAL STATE 1 (NESC1) MRNA

(PMCA3) gene, partial cds	N	U82695.2	8.70E-02 U82695.2	3.0	13869	3636 8775	3636
biglycan (BGN) genes, complete cds; and plasma membrane calcium ATPase isoform 3							
Homo saplens zinc finger protein 92 (ZFP92), expressed-Xq28STS protein (XQ28ORF), and							
Homo saplens paired box gene 6 (aniridia, keratitis) (PAX6), Isoform b, mRNA	23 NT	4580423 NT	8.80E-02	1.1		4205 9330	4205
Ĺ	SWISSPROT	O00268	8.80E-02   O00268	3.2		9081	3948
TRANSCRIPTION INITIATION FACTOR TFIID 135 KDA SUBUNIT (TAFII-135) (TAFII135)							
EST11595 Uterus Homo sapiens cDNA	EST_HUMAN	3828 8965 14064 1.0 8.80E-02 AA299128.1	8.80E-02	1.0	14064	8965	3828

Table 4

LEUCOCY IE ANTIGEN CUST PRECONSOR	LEUCUCY IE AN	SWISSPROI	P48860	8.20E-02	5.4	14395	9313	4
LEUCOCYTE ANTIGEN CD97 PRECURSOR	LEUCOCYTE AND	SWISSPROT	P48960		5.4	14394	Г	4187
Homo saplens chromosome 21 segment HS21C008	Homo saplens chr	3	AL163206.2	8.20E-02	1.3	14147	9060	3926
Arabidopsis thaliana DNA chromosome 4, contig fragment No. 10	Arabidopsis thalian	NT	AL161498.2	8.20E-02	1.3		8870	3733
Homo saplens chromosome 21 segment HS21C006	Homo sapiens chr	Ŋ	AL163206.2	8.20E-02	1.8		8188	3036
Canis familiaris giutamate transporter (EAAT4) mRNA, complete cds	Canis familiaris giu	4	AF167077.2	8.20E-02	1.2	11780		1480
Gallus gallus mRNA for for OBCAM protein gamma isoform	Gallus gallus mRN	NT	Y08170.2	8.20E-02	2.8			1357
Mus musculus colony stimulating factor 3 receptor (granulocyte) (Csf3r), mRNA	Mus musculus cole	NT.	6681050 NT	8.20E-02	0.7			1243
th82g06.x1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:2125210 3	th82g06.x1 Soares	EST_HUMAN	AI436797.1	8.30E-02	0.9	13804		3567
th82g06.x1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:2125210 31	th82g06.x1 Soares	EST_HUMAN	AJ436797.1	8.30E-02	0.9	13803		3567
HYPOTHETICAL LIPOPROTEIN MG309 HOMOLOG PRECURSOR	HYPOTHETICAL I	SWISSPROT	P75334	6.30E-02	6.2	13786	8685	3544
Ixodes hexagonus mitochondrion, complete genome	Ixodes hexagonus	NT	5835680 NT	8.30E-02	0.9	12281		1965
Ixodes hexagonus mitochondrion, complete genome	ixodes hexagonus	NT	5835680 NT	8.30E-02	0.9	12280	7081	1965
oe09b09.s1 NCI_CGAP_Ov2 Homo saplens cDNA clone IMAGE:1385369 similar to contains Au repetitive element;contains element L1 repetitive element;	oe09b09.s1 NCI_C	EST_HUMAN	AA847045.1	8.40E-02	0.8		9278	4152
zd44e11.r1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:343532 5'	zd44e11.r1 Soares	EST_HUMAN	W69330.1	8.40E-02	1.5	12923	7950	2632
Helicobacter pylori 26895 section 130 of 134 of the complete genome	Helicobacter pylori	NT	AE000652.1	8.50E-02	1.0	12656	7449	2347
	Homo sapiens KIA	NT	AB007855.1	8.50E-02	0.6	11625	6459	1330
Oryctolagus cuniculus galectin-3 gene, untranslated exon and 5' flanking region	Oryctolagus cunica	NT	U68179.1	8.60E-02	0.9	14592		4385
Dictyostelium discoldeum adenylyl cyclase (acrA) gene, complete cds	Dictyostelium disc	NT	AF153362.1	8.60E-02	3.1			3593
Dictyostellum discoldeum ipIA gene for inositol 1,4,5-trisphosphate receptor-like protein (IpIA), exons 1-4	Dictyostellum diso (lpiA), exons 1-4	NT	AJ277590.1	8.60E-02	0.8		8411	3264
Trichomonas vaginalis beta-tubulin (btub1) gene, complete cds	Trichomonas vagir	NT	L05468.1	8.60E-02	2.9	13408		3151
601304016F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3638643 5	601304016F1 NIH	EST_HUMAN	BE408667.1	8.60E-02	8.0	12518	П	2197
Horno saplens Xq pseudoautosomal region; segment 2/2	Homo saplens Xq	NT	AJ271736.1	8.60E-02	2.4	11523		1232
Methanobacterium thermoautotrophicum from bases 1176181 to 1189406 (section 101 of 148) of the complete genome	Methanobacterium thermoaut 148) of the complete genome	NT	AE000895.1	8.70E-02	1.1			5034
Mus musculus JNK Interacting protein-3a (Jip3) mRNA, complete cds	Mus musculus JNI	NT	AF178636.1	8.70E-02	1.2	14818		4609
zh68a02.r1 Soares_fetal_liver_spieen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:417194 5' similar to contains element MER12 repetitive element;	zh68a02.r1 Soares IMAGE:417194 5'	EST_HUMAN	W87841.1	8.70E-02	0.8	14110		3879
Homo sapiens zinc finger protein 92 (ZFP92), expressed-Xq28STS protein (XQ28ORF), and biglycan (BGN) genes, complete cds; and plasma membrane calcium ATPase isoform 3 (PMCA3) gene, partial cds	Homo sapiens zinc finger i biglycan (BGN) genes, cor (PMCA3) gene, partial cds	N	U82695.2	8.70E-02	3.0	13870	8775	3636
Homo sapiens zinc finger protein 92 (ZFP92), expressed-Xq28STS protein (XQ28ORF), and biglycan (BGN) genes, complete cds; and plasma membrane calcium ATPase isoform 3 (PMCA3) gene, partial cds	Homo sapiens zinc finger i biglycan (BGN) genes, cor (PMCA3) gene, partial cds	X,	U82695.2	8.70E-02	3.0	13869	8775	3636
Homo sapiens paired box gene 6 (aniridia, keratitis) (PAX6), isoform b, mRNA	Homo sapiens pali	NT	4580423 NT	8.80E-02	1.1			4205
TRANSCRIPTION INITIATION FACTOR TFIID 135 KDA ŞUBUNIT (TAFII-135) (TAFII135)	TRANSCRIPTION INIT (TAFII-130) (TAFII130)	SWISSPROT	000268	8.80E-02	3.2			3948
EST11595 Uterus Homo sapiens cDNA 5' end	EST11595 Uterus	EST_HUMAN	AA299128.1	8.80E-02	1.0	14064	8965	3828

and C11orf17 gene	N	AJ400877.1	7.60E-02	0.9	13761	8653	351
EST 112214 Cerebellum II Homo sapiens cDNA 5' end similar to similar to protocadherin 43	EST_HUMAN	AA296447.1	7.60E-02	0.9	13613	8505	3362
Homo sapiens partial Ar-4 gene, exons 2 to 7 dill Au repeat cicilionia	NT	AJ238093.1	7.70E-02	2.1		8679	3538
1948912.XI Soares NFC ( Soc 3) Found separate Contains MER10.13 MER10 repetitive enables of the contains MER10.13 MER10 repetitive enables of the contains mercent alemants	EST_HUMAN	Al418520.1	7.80E-02	1.0	15357	10288	5197
600943055F1 NIT MGC 10 Florid Sapirals CDNA clone IMAGE: 2112070 3' similar	EST_HUMAN	BE250048.1	7.80E-02	2.7		8828	5019
CM3-SN0032-010400-137-107 SN0032 Homo sapiens CDNA	EST HUMAN	AW866884.1	7.80E-02	1.0	11671	7915	1378
contains L1.13 L1 repetitive element:	EST_HUMAN	AI793275.1	7.80E-02	1.4	11480	6324	1192
contains L1.13 L1 repetitive element;	EST_HUMAN	AI793275.1	7.80E-02	1.4	11479	6324	1192
Arabigopsis trailaria rovezate fillings, paragraph cone IMAGE:1570467 5' similar to	Z	AB008019.1	7.90E-02	1.2		9818	4706
Mus musculus colony sumulating lactor i leceptor (conf), misson	N	6681044 NT		3.3	14004	8913	3776
Mus musculus colony sumulating factor i receptor (Ceffs) mRNA	NT.	6681044	7.90E-02	3.3	14003	8913	3776
IJSQU3.X1 SORIES_NOT_FO_SW_OI_FO_FO_FO_FO_FO_FO_FO_FO_FO_FO_FO_FO_FO_	EST_HUMAN	AI457925.1	7.90E-02	1,2	13508	8402	3255
gb: Z26876 60S RIBOSOMAL PROTEIN L38 (HUMAN);	EST_HUMAN	AI582029.1	7.90E-02	6.4	13205	8099	2948
600943191F1 NIH MGC 15 Homo sapiens CUNA civile IMAGE-2173646 3' similar to	EST_HUMAN	BE250008.1	7.90E-02	1.4	12445	7237	2127
Helicobacter pylon, strain Jay section of or 132 of the Cariptate Benefits	NT	7.90E-02 AE001501.1	7.90€-02	0.5	11842	6671	1544
Hellcobacter pylori, strain J99 section 62 of 132 of the complete genome	NT	AE001501.1	7.90E-02	0.5	11841	6671	154
(DHFR) gene,s complete cds, and small nuclear RNAs (uRNAs)	NT	M28071.1	8.00E-02	0.9	15031	9942	4834
M.musculus gene for gelatinase B	NT	X72794.1		5.6		9821	4709
Homo saplens cAMP responsive element binding protein-like a (Chapter) Illinois	NT	4503034 NT	8.00E-02	1.1		9112	3980
EST378191 MAGE resequences, MAGI Homo sapiens curva	THUMAN	AW966118.1		0.8	13972	8883	3745
Dictyosellum discoideum cyclic nucleotide phosphodiesterase gene, comprete cos	NT	M23449.1		0.8	11365	6213	2790
Synechocystis sp. PCC6803 complete genome, 17/27, 213/259-225/259	NT		_	1.0	12636	7426	2323
Synechocystis sp. PCC6803 complete genome, 17/27, 2137259-2257259	NT		1	1.0	12635	7426	2323
PM3-BT0347-170200-001-b08 BT0347 Homo sapiens cDNA	EST_HUMAN	9.1		1.4	12164	6979	1861
Human gene for dihydrolipoamide succinyltransferase, complete cds (exon 1-15)	NT			3.8	11973	7923	1671
Human gene for dihydrolipoamide succinytransferase, complete cas (exoit 1-10)	NT			3.8	11972	7923	1671
Homo saplens DNA for cyclophilin 40, complete cos	NT	D63861.1	8.00E-02	4.6	11647	\$4 62 62	1353
Molluscum contaglosum virus subtype 1, complete genome	NT		8.00E-02 U60315.1	1.3	11222	6066	920
	EST_HUMAN	AW954653.1	8.00€-02 /	1.1	10316	7879	5
mdcE, mdcH, mdcL and mdcM genes), complete cds  mdcE, mdcG, mdcH, mdcL and mdcM genes), complete cds		AB017138.1	8.10E-02	1.7	11779	6606	1479
Mus musculus zinc transporter (ZnT-3) gene, complete cas	ZT	.1	8.20E-02 U76009.1	2.8	15187	10116	
	SWISSPROT		8.20E-02 P48960	5.4	14396	9313	4187

	11067 1.1 7.50E-02 5902093 NT (SLC6A9), mRNA	Homo saplens solute carrier ramily o (redionalisminum variations as)	1.0 7.60E-02 AW858844.1 ESI_DUMANU_INCO-CIOSTI TO TO THE CO-CIOSTI TO THE	The section of the se	
6 (neurotransmitter transporter, glycille), illen		o (lieuloualistiiida aarabordii 87 million	(t	347 Homo sapiens cDNA	

						9001	۷,	_
QV4-BT0407-280100-090-e10 BT0407 Homo sapiens cDNA	EST HUMAN		7 00E-02	3 6	14474	Т	382	_
60S RIBOSOMAL PROTEIN L32 (HUMAN);	EST HUMAN	AAR15438.1	2005US					
UI-H-BI1-acy-c-07-0-UI.s1 NCI_CGAP_Sub3 Homo saplens cDNA clone IMAGE:2716020 3	EST_HUMAN	AW138152.1	7.00E-02	1.7	13247		2994	
Zioliones i Suaragello como (modiace)	EG! HOWAN	AA056343.1	7.00E-02	1.4	12027		1725	
M. Bruellia Micure I Gene (#937204) Homo saplens cDNA clone IMAGE:509599 3'	N	X96677.1	7.00E-02	0.5		6611	<b>2</b>	
Val. Cipalita	SWISSPROT	Q07092	7.00E-02	1.2	10802	5681	517	
ři.	N	L02290.1	7.10E-02	0.6	12165	6980	1862	
Human immunodeficiency virus type 1 (D9) proviral structural capsid protein (gag) gene.	2	AB010/11.1	7.10E-02	1.3	11380	6229	1091	
Streptococcus mutans gene for glucose-1-phosphate undylyttransferase, complete cus	N	AB001562.1	7.20E-02	0.9	15168	10100	4997	
UI-H-BW0-aji-a-05-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens cDNA cione image: 2732049 3	EST_HUMAN	AW298322.1	7.20E-02	0.8	14043	8947	3810	
fragment, partial cds	TN	U14794.1	7.20E-02	0.9		7599	2502	
Human immunodeficiency virus type 1 isolate 26 reverse transcriptase (pol) gene, internal	. 2	AL163301.Z	7.20E-02	0.8	11761	6587	1460	
Homo saniens chromosome 21 segment HS21C101		AL 163301.2		0.8	11760	6587	1460	
of the complete genome 21 segment HS21C101	NT	AE000882.1	_	0.9	10444	5315	114	
Methanobacterium thermoautotrophicum from bases 1029155 to 103954 (Securit Co of 170)							-	T
of the complete genome	NT	AE000882.1	7.20E-02	0.9	10443	5315	112	
Not hands united the most that the form bases 1029155 to 1039934 (section 88 of 148)	2	U12283.1	7.30E-02	1.0	٠	10034	4927	7
Nine muscillus transcribiton factor USF2 (USF2) gene, exons 8-10 and complete cds	Z	AL 163302.2		5.4		7927	1801	T
CMG-NN1004-130300-234-800 NN1004-13010-045-31-0-1	EST HUMAN	AW900281.1		1.1	11769	7917	1465	Т
inemotoga manufila securit for or levels in company con A		AE001789.1	7.30E-02	0.9	10952	5825	669	Т
Mus musculus upiquinuii Cleiriiiilai iljuroassi suuse Esteriiila oanome	NT.	6678492 NT	1	1.7	15050	9965	4858	Т
Rattus norvegicus Acuvin recapius like milase related polynemide (Lichto), mRNA	3	6978442	7.40E-02	2.7	14902	9799	4687	Т
			$\blacksquare$	3.4	14814	9720	4606	Т
W/43hp1x1 Soares NFL T GBC ST Homo sapiens CUNA Guille IMAGE. Zecondo	EST_HUMAN	AI807885.1		0.9	13787	8686	3545	Т
nomeodoma	Y	55069		0.9		7833	2536	Т
Equine herpesvirus 4 strain Nobubor, complete genome	NT	AF030027.1		1.1		6571	1444	Т
RC5-LT0054-260100-011-m09 L10004 noning september 20100	EST HUMAN	AW838547.1	7.40E-02	1,2	10763	<u>3</u>	469	T
	NT.	AB015961.1	7.50E-02	0.8	14617	9527	4407	Т
Homo sapiens chromosome 21 segment risk leving	NT	AL163278.2	7.50E-02	0.9	12181	9998	1878	Т
(SLC6A9), mRNA	N	5902093 NT	7.50E-02	1.1	11068	5920	767	
(SLC6A9), mRNA	NT	5902093 NT	7.50E-02	1.1	11067	5920	767	
RC3-CT0347-110300-014-au5 C10347 Homo sapiens curve	EST_HUMAN	7.60E-02 AW858844.1	7.60E-02 /	1.0		9876	4765	$\neg$

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Xenopus laevis alpha(E)-catenin mRNA, complete cds	TN	U47624.1	6.50E-02	1.5	11663	6497	3
Homo saplens E2F-like protein (LOC51270), mRNA	NT	7706068	6.50E-02	0.6	11275	6117	971
Amsacta albistriga nucleopolyhedrovirus AcORF17 homolog gene, complete cds	NT	AF204882.1		1.3	15332	10261	5167
INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H2 PRECURSOR (ITI HEAVY CHAIN H2)	SWISSPROT	Q61703	6.60E-02	8.4	15091	10011	4904
	SWISSPROT	Q61703	6.60E-02	8.4	15090	10011	4904
	NT	7108357 NT	6.60E-02	2.2	13687	8574	3432
Homo sapiens mesothelin (MSLN), transcript variant 1, mRNA	NT	7108357 NT	6.60E-02	2.2	13686	8574	3432
yi18b10.s1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:139579 3'	EST_HUMAN	R64306.1	6.60E-02	8.6	13671	8560	3418
MELATONIN-RELATED RECEPTOR (H9)	SWISSPROT	Q13585	6.60E-02	1.3		8282	3133
Drosophila melanogaster cactin mRNA, complete cds	NT	AF245116.1	6.60E-02	0.5	11641	8475	1347
at12e09.x1 Barstead aorta HPLRB6 Homo sapiens cDNA clone IMAGE:2354920 3' similar to SW:LIN1_NYCCO P08548 LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.;	EST_HUMAN	AI735509.1		11	11621	6455	1326
HOMEOBOX PROTEIN HOX-D4 (CHOX-A)	SWISSPROT	P17278	6.70E-02	3.5	13888	8795	3656
xr85h01.x1 NCI_CGAP_Lu26 Homo saplens cDNA clone IMAGE::2766961 3' similar to contains element TAR1 repetitive element;	EST_HUMAN	AW301973.1	6.70E-02	0.8	13573	8461	3316
Yeast (S.pombe) cdc25+ gene (mitosis initiation), complete cds	ZT	M13158.1	6.70E-02	=	13220	8113	2962
	NT	M13158.1		==	13219	8113	2962
qg79e04.x1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:1841406 3'	EST HUMAN	AI220285.1	6.70E-02	0.9	12154	6969	1851
Oncorhynchus myklss TAP1 protein (OnmyTAP1) mRNA, OnmyTAP1*01 allele, complete ods	NT	AF115536.1	6.70E-02	0.8		6638	1511
Caenorhabditis elegans LDL receptor-related protein (lrp-1) gene, complete cds	TN	M96150.1	6.80E-02	0.9	14976	9883	4773
MR0-HT0069-071099-001-c05 HT0069 Homo sapiens cDNA	EST_HUMAN	BE141076.1	6.80E-02	0.9		9573	4453
al75a06.s1 Soares_testis_NHT Homo sapiens cDNA clone 1376626 3'	EST_HUMAN	AA781996.1		1.2	13314	8213	3062
al75a06.s1 Soares_testis_NHT Homo saplens cDNA clone 1376626 3'	EST_HUMAN	AA781996.1	6.80E-02	1.2	13313	8213	3062
al75a06.s1 Soares_testis_NHT Homo sapiens cDNA clone 1376626 3'	EST_HUMAN	1.966182VV	6.80E-02	1.2	13312	8213	3062
Homo saplens putative hepatic transcription factor (WBSCR14) gene, complete cds	NT	AF156673.1	6.80E-02	1.4	12167	6983	1865
ae30f02.r1 Gessler Wilms tumor Homo saplens cDNA done IMAGE:897339 5' similar to gb:M22382 MITOCHONDRIAL MATRIX PROTEIN P1 PRECURSOR (HUMAN);	EST_HUMAN	AA496759.1	6.80E-02	1.1	12143	6958	1839
ae30f02.r1 Gessler Wilms tumor Homo saplens cDNA clone IMAGE:897339 5' similar to gb:M22382 MITOCHONDRIAL MATRIX PROTEIN P1 PRECURSOR (HUMAN);	EST_HUMAN	AA498759.1	6.80€-02	1.1	12142	6958	1839
Rables virus isolate b615 glycoprotein gene, partial cds	T	AF079906.1	6.90E-02	1.1		10196	5100
26S PROTEASOME REGULATORY SUBUNIT S3 (NUCLEAR ANTIGEN 21D7)	SWISSPROT	Q06364	6.90E-02	1.4	13954	8861	3724
26S PROTEASOME REGULATORY SUBUNIT S3 (NUCLEAR ANTIGEN 21D7)	SWISSPROT	Q06364	6.90E-02	1.4	13953	Т	3724
Homo sapiens regulator of Gz-selective protein signaling (ZGAP1) mRNA, and translated products	NT	4507968 NT	6.90E-02	1.		6439	1311
Homo sapiens chromosome 21 segment HS21C010	NT	AL163210.2	6.90∈-02	1.8	10789	5667	503
Homo sapiens chromosome 21 segment HS21C010	NT	AL163210.2	6.90E-02	1.8	10788	5667	503
Canis familiaris Inducible nitric oxide synthase mRNA, complete cds	NT	AF077821.1	7.00E-02	1.3	14331	9247	4121
CMG-CMGCUI-COCCUC-27C-812 CMCCOI HOMO Sapiens CLINA	1						

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	The second named in column 2 is not a se						
wx24c02.x1 NCI_CGAP_Kld11 Homo sapiens cDNA clone IMAGE:2544578 3*	EST HUMAN	AW051927.1		4.4	14463	9382	425
Thermotoga maritima section 87 of 136 of the complete genome	NT	AE001775.1	_	1.4	13846	8752	3613
Populus trichocarpa CCoAOMT1 gene, exon 1 to exon 5	NT	AJ223621.1		1.1		7981	2830
Thiobacillus ferrooxidans merC, merA genes and URF-1	NT	D90110.1	5.80E-02	1.5		6063	917
Saccharomyces cerevisiae protein tyrosine phosphatase (PTP3) gene, complete cds	NT	AF006304.1	5.90E-02	0.9	14975	9881	4770
Homo sapiens radixin (RDX) mRNA	NT .	4506466	5.90E-02	1.1		9636	4517
Mus musculus p53 tumor suppressor gene, exon 10 and 11, partial cds; alternatively spliced	NT	AF190269.1	5.90E-02	2.6	13213	8106	2955
RC1-DT0001-280100-012-e10 DT0001 Homo saplens cDNA	EST_HUMAN	AW934719.1	5.90E-02	1.2	10543	5420	229
Streptococcus pneumoniae parC, parE and transposase genes and ORF DNA	N	Z67739.2		1.2	15083	10000	4893
EST84266 Colon adenocardnoma IV Homo sapiens cDNA 5' end similar to tissue-specific protein	EST HUMAN	AA372376.1	6.00E-02	1.2	13454	8340	3191
EST 84266 Colon adenocardnoma IV Homo sapiens CDNA 5' end similiar to ussue-specific protein	EST_HUMAN	AA372376.1	6.00E-02	1.2	13453	8340	3191
	EST_HUMAN	AA188730.1	6.00E-02	1.2	10425	5298	2906
zp78c04.r1 Stratagene HeLa cell s3 937216 Homo saplens cDNA clone IMAGE:626310 5'	EST_HUMAN	AA188730.1	6.00E-02	1.2	10424	5298	2906
Mesocestoides corti mitochondrial DNA, NADH dehydrogenase subunit 4, tRNA-Gin, tRNA-Phe, tRNA-Met, ATPase subunit 6, and NADH dehydrogenase subunit 2	NT	AB031289.1	6.00E-02	0.6		7829	2745
EST380924 MAGE resequences, MAGJ Homo sapiens cDNA	EST_HUMAN	AW968848.1	6.00E-02	0.6	12931	7730	2641
MR3-ST0220-120100-025-d04 ST0220 Homo saplens cDNA	EST_HUMAN	AW816119.1	6.00E-02	1.5		7643	2547
Thermotoga maritima section 89 of 138 of the complete genome	NT	AE001777.1	6.00E-02	1.4	11529	6370	1241
	T	AB040897.1	6.10E-02	1.0	15317	10245	5150
Arabidopsis thaliana K+ inward rectifying channel protein (AtKC1) gene, complete cds	NT	1.3325 TU		2.7		90 <u>4</u>	3909
Human mRNA, Xq terminal portion	NT	D16471.1	6.10E-02	1.5	10570	<u>\$</u>	256
(RO52) (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A))	SWISSPROT	Q62191	6.20E-02	5.4		9599	4479
EST363313 MAGE resequences, MAGA Homo sapiens cDNA	EST HUMAN	AW951243.1	6.20E-02	0.8	14560	9470	4347
EST363313 MAGE resequences, MAGA Homo saplens cDNA	EST_HUMAN	AW951243.1	6.20E-02	0.8	14559	9470	4347
Rattus norvegicus differentation-associated Na-dependent inorganic phosphate cotransporter (DNPI) mRNA, complete cds	NT	AF271235.1	6.20E-02	1.1		9368	4243
Arabidopsis thallana DNA chromosome 4, contig fragment No. 68	NT	AL161572.2	6.20E-02	3.4	14363	9283	4157
HEAT SHOCK PROTEIN 70 HOMOLOG .	SWISSPROT	P37092		2.1		8692	3552
Mus musculus major histocompatibility locus class III regions Hsc70t gene, partial cds; smRNP, G7A, NG23, MutS homolog, CLCP, NG24, NG25, and NG26 genes, complete cds; and unknown genes	N <sub>1</sub>	AF109905.1	6.30E-02	0.9	12022	6843	1720
Mus musculus histone deacetylase 5 (Hdac5), mRNA	IN	6996923 NT	6.40E-02	8.8		10272	5180
Mus musculus histone deacetylase 5 (Hdac5), mRNA	NT	6996923	6.40E-02	1.4	13240	8133	4802
	NT	X94549.1		0.5	10839	5723	561
Aquifex aeolicus section 96 of 109 of the complete genome	NT	AE000764.1	6.50E-02	0.8	12006	6825	1702

		20010001141	3.205-04	100.0		1040	The state of the s
Homo sanions manrin A alpha (PABA peotide hydrolase) (MEP1A) mRNA	NT -	MOU403.1		1900	15194	T	2027
~1	17	AND LOTO.	_	1.2	# 1	1	4500
Arabidonals thaliana all5 gane exons 1-11	T	A 1044048 4	-	3	7,777	Т	1500
Pseudomonas putida ttgS gene	TN	AJ276408.1	_	4.6	13366	П	3113
Drosophila melanogaster laminin B2 gene, complete cds	NT	M58417.1	5.30E-02	3.9	13171	П	2912
Drosophila melanogaster laminin B2 gene, complete cds	NT	M58417.1	5.30E-02	3.9	13170		2912
Pseudomonas putida ttgS gene	NT	AJ276408.1	5.30E-02	1.1	12754	7546	2447
(HUMAN);	EST_HUMAN	T94759.1	5.30E-02	6.6	11787	6616	1489
to gb:K01506 HLA CLASS II HISTOCOMPATIBILITY ANTIGEN, DP(1) ALPHA CHAIN							
QV0-ST0213-021299-062-a09 ST0213 Homo sapiens cDNA	EST_HUMAN	AW391248.1	5.30E-02	0.6	11330	6177	1037
	EST HUMAN	5.30E-02 AW391248.1	5.30E-02	0.6	11329	6177	1037
	NT	M96761.1	5.40E-02	1.0	15283	10204	5108
Xenopus laevis homeobox protein (Vox-1) mRNA, complete cds	NT	U53528.1	5.40E-02	0.9	15095	$\Box$	4908
RC5-BT0559-140200-012-C03 BT0559 Homo saplens cDNA	EST_HUMAN	BE073468.1	5.40E-02	6.3		8518	3375
Oryza sativa rbbi3-1 gene for putative Bowman Birk typsin Inhibitor	NT	AJ277468.1	5.40E-02	1.0			2986
Murray Valley encephalitis virus strain MVE-1-51, complete genome	NT	AF161266.1	5.50E-02	0.8	14980	П	4777
Mus musculus SH3 domain protein 1B (Sh3d1B), mRNA	NT	55501	5.50E-02	3.6	13441		3179
	NT	X97869.1	5.50E-02	3.0	12907		2618
zs45c01.s1 NCI_CGAP_GCB1 Homo saplens cDNA clone IMAGE:700416 3	EST_HUMAN		5.60E-02	1.1	14804	9712	4598
complete cds	NT	AB013100.1	5.60E-02	1.3	14747	9659	4540
Lycopersicon esculentum LE-ACS6 mRNA for 1-aminocyclopropane-1-carboxylate synthase,	٠						
Candida albicans mitochondrial mRNA for NADH dehydrogenase (nde1 gene)	TN			0.9	14425	7	4217
Hydrocotyle rotundifolia ribosomat protein LT6 (rpi16) gene, intron; chioropiast gene ior chioropiast product	NT	AF094455.1	5.60E-02	0.9	11806	6637	1510
EST378865 MAGE resequences, MAGI Homo sapiens cDNA	EST HUMAN	AW966791.1	5.70E-02	1.8	13960	8868	3731
	NT.	AF119117.1	5.70E-02	1.3	13286	8185	3033
ou63b05.s1 NCI_CGAP_Br2 Homo sapiens cDNA clone IMAGE:1832465 3' similar to WP:C37A2.2 CE08611;	EST HUMAN	AI081644.1	5.70E-02	1.3	13270	8170	3018
as24f06.x1 Barstead aorta HPLRB6 Homo sapiens cDNA clone IMAGE:2318147 3 similar to gb:X14B50_cds1 HISTONE H2A.X (HUMAN);	EST_HUMAN	AI708246.1	5.70E-02	1.0	12947	7748	2659
as24f08.x1 Barstead aorta HPLRB6 Homo sapiens cDNA clone IMAGE:2318147 3 similar to gb:X14850_cds1 HISTONE H2A.X (HUMAN);	EST_HUMAN	AI708246.1	5.70E-02	1.0	12946	7748	2659
Gallus gallus tyrosine kinase JAK1 (JAK1) mRNA, complete cds	N	AF096264.1	5.80E-02	2.0		9591	4471
qh56f01.x1 Soares_fetal_liver_speen_TNFLS_S1 Homo sapiens curve croise iMAGE:1848697 3' similar to gb:M13142 COAGULATION FACTOR XI PRECURSOR (HUMAN);	EST_HUMAN	Al247505.1	5.80E-02	4.2	14665	9567	4447
	EST HUMAN	Al247505.1	5.80E-02	4.2	14664	9567	4447
qh56f01.x1 Soares_fetal_liver_spieen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:1848697 3' similar to gb:M13142 COAGULATION FACTOR XI PRECURSOR							
wx24c02.x1 NCI_CGAP_Kid11 Homo sapiens cDNA done IMAGE:2544578 3'	EST_HUMAN	5.80E-02 AW051927.1	5.80E-02	4.4	14464	9382	4257

TR:P90533 P90533 LIMA ;contains element LTR1 repetitive element;	EST_HUMAN	AI014255.1	4.60E-02	±		6399	7
ESCHERCHIA COIL N-12 MG 1000 SECURI 300 OF 400 OF 116 CONTROL S SECURITOR OF 1538979 3' SIMILAR to	2	AE000445.1	4.60E-02	0.9	11016	5876	722
Rattus norvegicus Nesun (Nes), mixiva	NT	6981261 NT		0.8	15118	10046	4940
Streptococcus constellatus D-alanine:D-alanine ligase gene, paruai cus	NT	U91914.1	4.80E-02	1.3	15254	10174	5078
S.scrofa gene for skeletal muscle ryanoume receptor	NT	Z54280.1	4.80E-02	1.7		9690	4572
Tetrahymena rostrata historie H3II and nistorie F4II intergenic DNA	NT	X17144.1	4.80E-02	2.1	13435	8321	3172
(HUMAN);	EST_HUMAN	W51983.1	L	0.7	12546	7334	2227
IMAGE:325611 3' similar to gb:M30938 LUPUS KU AUTOANTIGEN PROTEIN P86							
Arabidopsis thailana AP2 domain containing protein RAF2./ mrwx, paruar cus	NT	AF003100.1	4.80E-02	2.6	10771	5646	480
Human mRNA, Xq taminal portion	NT	D16471.1	4.80E-02	0.7	10636	5509	328
Human mRNA, Xq terminal portion	NT	D16471.1	4.80E-02	1.5	10836	5509	327
xg56g10.x1 NCI CGAP Ut4 Homo sapiens cuina cione invasc. 2022000 3	EST_HUMAN	AW167821.1	4.90E-02	1.9	14937	98 <u>44</u>	4733
xg56g10x1 NCI CGAP Ut4 Homo sapiens curva cione image: 2002300 3		AW167821.1	4.90E-02	1.9	14936	9844	4733
Zt78a03.s1 Soares testis NH1 Homo sapiens CUIVA Gone INVAGE: / 20120 3		AA400914.1	4.90E-02	1.2	13785	88 48	3543
2/78a03.s1 Soares testis NH1 Homo sapiens curva done invage: /20220 3	EST_HUMAN	AA400914.1	4.90E-02	1.2	13784	8684	3543
Similar to Contains our repeatable or representative many contains our representative many contains	EST_HUMAN	AA188940.1	4.90E-02	0.9		8663	3522
zq48a12.s1 Stratagene hNT neuron (#937233) Homo saplens cDNA clone IMAGE:632926 3'					<del></del>		
ATROPHIN-1 (DENTATORUBRAL-PALLIDULUTSIAN ATROPHIT FROTEIN)	SWISSPROT	P54258	4.90E-02	1.9	13504	8398	3251
Homo sapiens endothelial nitric oxide synthase gene, complete cos	<u> </u>	D26607.1		1.9		5581	413
	NT	M14230.1	4.90E-02	9.9		5 <u>4</u>	218
Chicken 28-kDa vitamin D-dependent calcium-binding protein (CaBP-28) mRNA, complete			_		10000	9997	1000
	NT	AF188530.1		0 0	15080	0007	2000
Antheraea pernyl period clock protein homolog mRNA, complete cds	N	U12769.2		7 5	13863	9760	3230
Mus musculus Unc-51 like kinase 2 (C. elegans) (Ulk2), mRNA	NT	7305610		3 0	11211	2 2	2000
Oryctolagus cuniculus UDP-glucuronosyltransferase (UGT2B13) mRNA, complete cds	NT.		_L	5	1277	246	3700
(PRP-2/PRP-4) (PIF-F/PIF-S) (PROTEIN A/PROTEIN C) [CONTAINS: PEPTIDE P-C]	SWISSPROT	P02810	5.00E-02	1.5	12258	7084	ę R7
Bacillus subtilis complete genome (section 1 of 21): from 1 to 213080	NT	Z99104.1		2.4	11474	6318	1186
Mus musculus fatty acid amide hydrolase gane, exon 10	NT	AF098004.1	5.00E-02	0.7	10768	5846	474
Alu repetitive element;contains element PTR5 repetitive element :	EST_HUMAN	AA652267.1	5.10E-02	5.8		8783	3644
HIV-1 Isolate 2001-4-37 nom USA, envelope grycoprotein (env) Beine, Penner was	NT	AF094269.1	5.10E-02	3.6	13843	8749	3610
DKFZp547D073_r1 547 (synonym: hfbr1) Homo sapiens cDNA clone DKFZp547D073 5'	EST_HUMAN	AL134071.1	5.10E-02	1.0		7416	2313
Drosophila melanogaster filament protein homolog (sep1) gene, complete cus	NT	L33246.1	5.20E-02	1.0	14843	9747	4633
H.saplens HCK gene for tyrosine kinase (PTK), exon 12	NT	X58743.1		2.4	14704	9610	4490
H.sapiens HCK gene for tyrosine kinase (PTK), exon 12	NT			2.4	14703	810 0	4490
Human steroid hormone receptor Ner-I mRNA, complete cds	NT	U07132.1	5.20E-02	3.4	14386	9307	4181

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	SWISSPROT	P41047	3 905-02	13	11818	2 2	3200
Homo saplens mRNA for KIAA1471 protein, partial cds	NT	AB040904.1	4 00E-02	27	13464	225	3000
Mus musculus uroporphyrinogen III synthase mRNA, complete cds	TN	U18867.2	4.00E-02	1.4	13071	7967	2816
QV1-NN0012-180400-164-f06 NN0012 Homo sapiens cUNA	EST_HUMAN	AW893484.1	4.10E-02	7.4		92 92 92	4372
601177907F1 NIH_MGC_17 Homo sapiens cuna cione image: 300000 0	EST_HUMAN	BE297236.1	4.10E-02	0.9	14059	8961	3824
601177907F1 NIH_MGC_17 Homo sapiens cunA cione invage: 3533353 5		BE297236.1	4.10E-02	0.9	14058	8961	3824
Chlamydia muridarum, section 60 of 65 of the complete genome		AE002330.2	4.10E-02	1.0	12933	7732	2643
	NT	D63484.1	4.20E-02	1.1		10266	5172
gy95f10.x1 NCI_CGAP_Brn25 Homo sapiens CUNA GONE INVAGE:2019767 3 SHITHER TO gb:M35718 FIBROBLAST GROWTH FACTOR RECEPTOR BFR-2 PRECURSOR (HUMAN);	EST_HUMAN	Al493472.1	4.20E-02	0.9	13370	8266	3117
element;	EST_HUMAN	AW003645.1	4.20E-02	0.8	11186	6026	878
wx34g01.x1 NCI_CGAP_Pit1 Homo sapiens cDNA done iMAGE:2345564 3 similar to TR:Q63291 Q63291 L1 RETROPOSON, ORF2 MRNA ;contains L1.t3 L1 L1 repetitive					-		
Pea P4 organ specific gene	NT	X51594.1	4.30E-02	0.9	15311	10236	5141
HSPD01704 HM1 Homo sapiens cDNA clone NO AVAILUT/04	EST_HUMAN	F17181.2	4.30E-02	3.5	14545	9457	4334
Homo sapiens promyelocytic leukemia zinc tinger protein (PLZF) gene, contipiete was	NT	AF060568.1	4.30E-02	1.1		8748	3609
Homo sapiens chromosome 21 supraent HS21C010	NT	AL163210.2	4.30E-02	7.0	13633	8526	3383
yc28a09.s1 Stratagene liver (#937224) nomo sapielis curva cione liveros- o 1970 o similar o contains Alu repetitive element;	EST_HUMAN	T67911.1	4.30E-02	1.2		6814	1690
Ovis aries CCAAT-enhancer binding protein epsilon gene	N.T	AJ222689.1	4.40E-02	3.1		9751	4637
and S171 gene, partial cds	NT	4.40E-02 AF109907.1	4.40E-02	1	14736	9846	4527
and S171 gene, partial cds	T	AF109907.1	4.40E-02	1.1	14735	9846	4527
Homo sanians S164 cane, partial cds: PS1 and hypothetical protein genes, complete cds;	2	AF109100.1	4.40E-02	1.9	13823	8727	3588
Methanobacterium formicicum fano gene, complete cus	N	M64798.1	1	1.0	13558	8448	3303
QV2-PT0012-010300-070-902 P 1 0012 Homo sapiens CUNA	EST HUMAN	AW875475.1	4.40E-02	1.3	12746	7539	2440
HYPOTHETICAL PROTEIN (ORF 2280)	SPROT	P31568		2.2		7162	2049
Drosophila melanogaster extradenticle (EXD) mRNA, complete cds	NT	L19295.1		1.3	11302	6148	000
Homo sapiens chromosome 21 segment HS21C078	NT	AL163278.2		3.8	13896	8891	3662
Xylella fastidiosa, section 110 of 229 of the complete genome	NT	AE003964.1		0.7	12382	7175	2063
HEPATOCYTE NUCLEAR FACTOR 3-BETA (HNF-3B)	SWISSPROT	P32182		1.3	12067	68 488	1763
	NT	AF005730.1		0.9	11488	6332	1200
Marburg virus strain M/S.Africa/Johannesburg/1975/Ozolin VP35 gene, complete cas	NT	AF005730.1	_	0.9	11487	6332	1200
RETINOIC ACID RECEPTOR BETA (RAR-BETA)	SWISSPROT	P22448	4.50E-02	0.6	10739	5605	439
		AF220365.1	_	1.2		9161	4033
PM0-HT0339-251199-003-905 HT0339 Homo sapiens CUNA	EST HUMAN	BE153583.1	4.60E-02	1.0	13235	8128	3451
PM0-HT0339-251199-003-g05 HT0339 Homo sapiens cDNA	EST_HUMAN	BE153583.1	4.60E-02	1.0	13235	8128	2977
PM0-HT0339-251189-003-g05 HT0339 Homo sapiens cDNA	EST_HUMAN	BE153583.1		0.5	10584	5457	2777
SW:GRF1_HUMAN_Q12849 G-RICH SEQUENCE FACTOR-1;	EST_HUMAN	AW236023.1	4.60E-02	0.9	12744	7537	2438

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LA PROTEIN HOMOLOG (LA RIBONUCLEUPROTEIN) (LA AUTOMATIGLIATIONICEO)	SWISSPROT	Q26457	3.40E-02	3.4	7	T	40
M.musculus S-antigen gene promoter region	NT	X59799.1	3.40E-02	2.4	Т	Т	1494
RC6-UM0015-210200-021-A10 UM0015 Furilo sapirals 40/45	EST_HUMAN	AW794952.1	3.40E-02	3.2	٦	П	3845
Homo sapiens chromosome 41 segitient rioz rosco		AL163208.2	3.40€-02	1.3	13634	$\neg$	3384
	EST_HUMAN	T57160.1	3.40E-02	0.8	12652	7445	2343
vc20e08 r1 Stratagene lung (#937210) Homo sapiens cDNA clone IMAGE:81250 5' similar to	EGI TIONS	AA390142.1	3.405-02	0.6	12126	6936	1817
775m8.s1 Soares testis NHT Homo sapiens cDNA clone IMAGE:728199.31	EST HUMAN	AW274020.1	3.40€-02	1.3	11327	6175	1035
18 SW:C211_HUMAN P53801 PUTATIVE SURFACE GLYCOPROTEIN C210RF1							
HYPOINE ICAL oo. 1 CBC S1 Home earliers cDNA clone IMAGE:2814253 3' similar	SWISSPROT	P47144	3.50€-02	0.8		10249	5154
EST370539 MAGE resequences, WAGE From Septem Services	EST_HUMAN		3.50E-02	1.0		-1	4536
(CYSTEINE DELIVER DELIVER MAGE Homo sanians CDNA	SWISSPROT	P53780	3.50E-02	1.4	14427	9344	4220
CYCTATUIONINE BETA-I YASE PRECURSOR (CBL) (BETA-CYSTATHIONASE)	2	AE001773.1	3.50E-02	2.0	14330	∷9246	4120
G.gonia beta-grown gene	Z	X61109.1	3.50E-02	0.9	13897	8802	3663
3229)	EST_HUMAN	T29124.1	3.50E-02	1.5		8416	3271
Forecast Human White blood cells Homo saplens cDNA 5' and similar to T-cell receptor,	EST HUMAN	AW772365.1	3.50E-02	3.5	٠	6320	1188
Nomo sapiens illidoscina epoxade rycrosco (	Z		3.50E-02	0.5	11290	6135	992
Drosophila melanogaster uggini lihava, complete complete cos	Z		3.50E-02	1.2	11185	6025	877
10[10q26.3] of Homo sapiens	NT	AL096810.1	3.60E-02	0.8	15305	10230	5135
10[10q26.3] of Homo sapiens	NT	AL096806.1	3.60E-02	0.8	13845	8751	3612
H. Vulgare 331 years region containing hypervariable minisatellites chromosome	Z	X73221.1	3.60E-02	0.9	13838	8743	3604
member 3 (Konma3), mRNA		6680541	3.70E-02	11		8550	3408
COVICE CONTRACT IS THE CONDUCTANCE OF SERVICE CHANNEL SUBfamily M, alpha	SWISSPROI	P/9944	3.70E-02	0.8	13265	8164	3012
HOMO SAPIRIN TITLES TO TICKET TO PROMITE PRIME TO THE PRI	NI	AB018261.1	3.70E-02	0.9	12831	7629	2533
	EST HUMAN	AI984806.1		2.3	12514	7299	2190
splice products, partial cds		L14561.1	3.70E-02	0.9	11660	6494	1366
LAMININ ALFIN-1 CITAIN I RECORDER ATPass Isoform 1 (ATP2B1) gene, alternative	SWISSPROI	P19137	3.70E-02	1.6	11278	6121	976
Homo saplens 959 kb contig between AML1 and CBR1 on chromosome 21q22, segment 21	N	AJ229042.1	1	1.3		6694	1568
Homo sapiens hypometrial protein FRO Local Control Con	ST	8924019 NT	3.90E-02	1.0	15281	10201	
Homo sapiens hypothetical protein PRO 1163 (PRO 1163) mRNA	N	8924019 NT	3.90E-02	1.0	15280	10201	_
15kD (SDHC) mRNA	3	4506862	3.90E-02	0.8	•	7758	2671
M.musculus DNA for desmin-binding fragment DesD/	NT	3.90E-02 AJ403386.1	3.90E-02	:1	12223	7035	1918

	2038		1621	1151	368	5010 10112	
	7151	6828	6747	6286	5546	0112	
2250			11915	11439		15182	
	1.0	1.3	1.1	4.5	4.5	1.3	
3 30C 03 T038/7 4	3.30E-02 R09112.1	3.30E-02 AE000700.1	3.30E-02	3.30E-02 AB035867.	3.30E-02 AA398735.1	3.40E-02 AJ012469.1	
T03947 4	R09112.1	AE000700.1	3.30E-02 AF110763.1	AB035867.1	AA398735.1	AJ012469.1	
	EST_HUMAN	NT.	NT	NT	EST HUMAN	NT	
IER12A2 Fetal hrain. Stratagene Homo Sabietts CUNA Could to LEVE Could	y/25c09.r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:127888 5	Aquifex aeolicus section 32 of 109 of the complete genome	Homo sapiens skeletal muscle Lin-protein 1 (Frici) gerie, complete cas	Cricefulus griseus CYP2A1/ mRNA for cytochrome rapo 2A1/, complete cas	2175608.91 Soares testis NHI Homo sapietis culvin durie invoce 20130 c	Caenorhabdius elegans mRNA for UYS-1 protein, peruai	

		100000	20,000,00	0.0	12/3/	7040	4
Homo sapiens ATPase, Na+/K+ transporting, alpha 3 polypeptide (ATP1A3), mRNA		4502272 NT		2	43757	Т	2002
(GRD1) gene, complete cds, alternatively spliced	Z	AF228703.1	2.90E-02		12689		220
COLITION FINDER BEING TO INCOME TO THE PROPERTY OF THE PROPERT	EO DOMANA	AA3bauU3.1	3.00≿-02	1.2		9002	3866
ESTATES Report along Higher CDNA 6' and		WAA020201		:		Г	3685
OV2-ST0296-150200-040-e09 ST0296 Homo sapiens cDNA	HIMAN	AWADODD 1		:	10/00	Т	3010
		M04178 1	_	:	12766	Т	2041
zt65h03.r1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:727253.5	EST_HUMAN z	AA402242.1	_	=	12837	Т	2541
	NT	AF187125.1	3.00E-02	1.0		6733	1606
	1.015	AVVOJOJO I J. I	3.100-02	1.0	149/2	8/86	4767
OVA-1 T0014-250200-129-h09 LT0014 Homo sapiens cDNA	HIMAN	7. JONA 1	4			Т	1931
			_		i	Т	1000
Mus musculus adaptor-related protein comptex AP-3, delta subunit (Ap3d), mkNA	NT TN	2 2 2		1.4	12153	Т	1850
ANA gene, partial cds	NT A	AF200465.1	3.10E-02	1.0		6627	1501
Homo saniens coxsackievirus and adenovirus receptor (CXADR) gene, complete cds; and							1200
(GF-ALPHA-3)	SWISSPROT (	P18845	3.10E-02	<u>.</u> ယ	11575	R413	1283
Homo sapiens qual specificity priospriatase 4 (DOST 4) minuto		4503416 NT	3.10E-02	0.7		6368	1239
TOTAL TOTAL		AF 1 14 102.1	3.205-02	R.7	14865	9770	4658
Saxifraga nidifica maturase (matk) gene, chloropiast gene encount chicast process, partial cds	2 0	AE444480 4					
H. sapiens RP3 gene (XLRF gene 3)	NT	X94768.1	3.20E-02	12.4		9250	4124
Homo sapiens chromosome 21 segment noz roudo		2	3.20E-02	1.1	13886	8792	3653
Oryctolagus cuniculus gene encoung liear socium-dependent billo and daliabation	NT	AJ002005.1	3.20E-02	1.2	10455	5323	2809
LARGE TEGUMEN TROTEIN	/ISSPROT	P28955	3.20E-02	0.9		7184	2072
	L	AF128894.1	3.20E-02	1.1	12035	6857	1734
Homo sapiens telomerase reverse transcriptase (TERT) gene, exons 7-16 and complete cds							
Drosophila melanogaster heat shock protein 68 (hsp68) gene, hsp68d allele, complete cds	NT	AF096275.1	3,20E-02	4.3	11400	6247	1110
Drosophila melanogaster heat shock protein 68 (hsp68) gene, hsp68d allele, complete cds	NT D	AF096275.1	3.20E-02	4.3	11399	6247	1110
Oryctolagus cuniculus gene encoding lieal sodium-dependent die acid ualisportei	NT	AJ002005.1	3.20E-02 /	1.1	10455	5323	127
Mus musculus tumor rejection antigen gpes (1781), mknA	NT	6755862	3.30E-02	1.9	14579	9488	4366
Homo sapiens skeletal muscle LiM-protein 1 (rHL1) gene, complete cus	NT	AF110763.1	3.30E-02 /	2.2	11915	6747	4086
FB12A2 Fetal brain, Stratagene Homo sapiens CUNA Cours FD 12A2 Seta	EST_HUMAN F	T02847.1	3.30E-02	1.1	12756	7547	2448
	HUMAN	Т02847.1	-	1.1	12755	7547	2448
	HUMAN	R09112.1	3.30E-02	1.0		7151	2038
Aquifex aeolicus section 32 of 109 of the complete genonie	NT	AE000700.1	3.30E-02 /	1.3		6828	1705
Homo sapiens skeletal muscle Lity-protein 1 (FHL1) gene, complete cus			3.30€-02 /	1.1	11915	6747	1621
Sincetulus griseus CYP2A17 mRNA for cytochrome P450 ZA17, comprese cus	NT Q	AB035867.1	3.30E-02 /	4.5	11439	6286	1151
zt75e08.s1 Soares testis NHT Homo sapiens cuna cione image: 120190 3	EST_HUMAN zt	AA398735.1	3.30E-02 /	4.5		5546	368
Caenorhabditis elegans mRNA for DYS-1 protein, partial		AJ012469.1	3.40E-02 /	1.3	15182	10112	5010

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14087   14087   0.9   2.00E-02   H72805.1   EST_HUMAN   SVulgare peloc gene for PEP carbox   10055   15126   13.3   2.00E-02   365137.1   NT   S.vulgare peloc gene for PEP carbox   10055   15126   13.3   2.00E-02   2.00E-02   2.00E-02   3.00E-02   2.00E-02   3.00E-02   3.0								
8987 14087 0.9 2.90E-02 H72805.1 EST_HUMAN 10055 15125 1.3 2.90E-02 X65137.1 NT 5716 1.3 2.90E-02 X65137.1 NT 5716 1.3578 1.3 2.90E-02 X65137.1 NT 5716 13578 1.3 2.90E-02 X65137.1 NT 5716 13578 1.3 2.90E-02 X65083.1 NT 58465 13579 1.3 2.90E-02 X65083.1 NT 59338 13579 1.0 2.80E-02 X65083.1 NT 59338 13579 1.0 2.80E-02 X65083.1 NT 59338 13579 1.0 2.80E-02 X65083.1 NT 59338 13579 1.0 2.90E-02 X65083.1 NT 59338 13579 1.0 2.70E-02 X65083.1 NT 59338 13579 1.0 2.70E-02 X65083.1 NT 59338 14315 2.1 2.70E-02 X6508.1 EST_HUMAN 5721 10837 1.1 2.60E-02 X682422.1 EST_HUMAN 5721 10837 1.1 2.60E-02 X652422.1 EST_HUMAN 7420 12828 1.0 2.60E-02 X650851.1 EST_HUMAN 7420 12828 1.0 2.60E-02 X650851.1 EST_HUMAN 7420 12828 1.0 2.60E-02 X650802.1 NT 5683 10807 1.5 2.60E-02 X650802.1 NT 5683 10807 1.5 2.60E-02 X650807.1 NT 5683 10807 1.5 2.50E-02 X650807.1 NT 57619 0.9 2.50E-02 X650807.1 NT 5	lorophyll a/c binding protein,	NT	X99697.1		4.4	13185	8077	22
8987   14087   0.9   2.90E-02   H72805.1   EST_HUMAN   10055   15125   1.3   2.90E-02   X65137.1   NT   NT   10055   15126   1.3   2.90E-02   X65137.1   NT   NT   S776   1.3   2.90E-02   X65137.1   NT   S776   1.3   2.90E-02   X65033.1   NT   S776   1.3   2.90E-02   AF068063.1   NT   S776   NT   NT   S776   NT   S776   NT   S776   NT   S776   NT   NT   S776   NT   S776   NT   NT   S776   NT   NT   S776   NT   S776   NT   NT   S776   NT   NT   S776   NT   NT   S776   NT   NT   NT   S776   NT   NT   NT   NT   NT   NT   NT   N	lorophyli a/c binding protein,	NT	X99697.1		4.4	13184	8077	2926
8987   14087   0.9   2.90E-02   H72805.1   EST_HUMAN   10055   15125   1.3   2.90E-02   X65137.1   NT	Rattus norvegicus rabphilin-3A mRNA, complete cds	NT	U12571.1		0.9		7819	2735
8987   14087   0.9   2.90E-02   H72805.1   EST_HUMAN   10055   15125   1.3   2.90E-02   X65137.1   NT   NT   10055   15126   1.3   2.90E-02   X65137.1   NT   NT   10055   15126   1.3   2.90E-02   X65037.1   NT   NT   10055   13578   1.3   2.90E-02   AF066063.1   NT   NT   100565   13578   1.3   2.90E-02   AF066063.1   NT   NT   100565   13578   1.0   2.90E-02   AF066063.1   NT   NT   100565   13578   1.0   2.90E-02   AF066063.1   NT   NT   100565   13578   1.0   2.90E-02   AL161494.2   NT   NT   100565   13578   1.0   2.70E-02   AL161494.2   NT   NT   100565   13578   1.0   2.70E-02   AL162422.1   EST_HUMAN   10285   15353   1.0   2.90E-02   AL163282.2   NT   10837   1.1   2.90E-02   AL163282.2   NT   10837   1.1   2.90E-02   AF089021.1   EST_HUMAN   10285   1.1   2.90E-02   AF089021.1   EST_HUMAN   10106   15169   1.7   2.90E-02   AF08908.1   NT   10106   15169   1.7   2.90E-02   AF089313.1   NT   10106   15169   1.7   2.90E-02   AW241184.1   EST_HUMAN   10126   15199   2.1   2.90E-02   AW241184.1   EST_HUMAN   10126   15199   2.1   2.90E-02   AW241184.1   EST_HUMAN   10126   15199   2.1   2.90E-02   AW241184.1   EST_HUMAN   10126   10806   1.5   2.90E-02   AW241184.1   EST_HUMAN   10126   10807   1.5   2.90E-02   AW241184.1   EST_HUMAN   EST_HUMAN   10126   10807   1.5   2.90E-02   AW241184.1   EST_HUMAN   10126   10807   1.5   10807   1.5   10807   1.5   1.5   1.5   1.5   1.5   1.	Mus musculus procollagen, type IV, alpha 3 (Co44a3), mRNA	NT		2.50E-02	1.6	12310	7108	1992
8987   14087   0.9   2.90E-02   H72805.1   EST_HUMAN   10055   15125   1.3   2.90E-02   X65137.1   NT   NT   10055   15126   1.3   2.90E-02   X65137.1   NT   NT   1.3   2.90E-02   AF066063.1   NT   NT   9338   1.0   2.80E-02   AF066063.1   NT   NT   9338   1.0   2.70E-02   AF066063.1   NT   NT   9233   14315   2.1   2.70E-02   AF066063.1   NT   NT   9233   14315   2.1   2.70E-02   AF066063.1   NT   NT   9233   14316   2.1   2.70E-02   AF066063.1   EST_HUMAN   10285   15352   1.0   2.60E-02   AF066063.1   NT   AF06773   NT   NT   NT   NT   NT   NT   NT   N	on26f06.y5 NCI_CGAP_Lu5 Homo sapiens cDNA clone IMAGE:1557827 5		AJ793130.1		1.5	10807	5685	521
6987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         X65137.1         NT           8465         13578         1.3         2.80E-02         AF068083.1         NT           8465         13578         1.3         2.80E-02         AF068083.1         NT           8528         13579         1.3         2.80E-02         AF068083.1         NT           8528         13579         1.3         2.70E-02         AF068083.1         NT           8528         13635         2.0         2.70E-02         AL161494.2         NT           9233         14315         2.1         2.70E-02         AL47258.1         EST_HUMAN           9233         14315         2.1         2.70E-02         AR258.21         EST_HUMAN           9233         14316         2.1         2.60E-02         AR48025.1         EST_HUMAN           9721         10837         1.1         2.60E-02         AR48002.1         E	on26f06.y5 NCI_CGAP_Lu5 Homo saplens cDNA clone IMAGE:1557827 5	EST HUMAN	A1783130.1		1.5	10806	5685	521
6987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         AV970153.1         EST_HUMAN           8465         13578         1.3         2.80E-02         AF068083.1         NT           9338         1.0         2.80E-02         AF068083.1         NT           8528         13579         1.3         2.70E-02         AF068083.1         NT           8528         13835         2.0         2.70E-02         AF068083.1         NT           8528         13835         2.0         2.70E-02         AL181494.2         NT           9233         14316         2.1         2.70E-02         AL181494.2         NT           9233         14316         2.1         2.70E-02         AL181494.2         NT           9233         14316         2.1         2.70E-02         AL1825422.1         EST_HUMAN           9233         14316         2.1         2.70E-02         AL163282.2         NT      <	xa52b04.x1 NCI_CGAP_Sqr4 Homo sapiens cUNA done iMAGE:25/0383 3 Similar to SW:Y069_HUMAN Q15041 HYPOTHETICAL PROTEIN KIAA0069;	EST_HUMAN	AW241154.1	L	2.1	15199	10126	5025
6987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         X65137.1         NT           8465         13578         1.3         2.80E-02         AF066083.1         NT           9338         1.0         2.80E-02         AF066083.1         NT           9338         1.0         2.80E-02         AF066083.1         NT           8528         13835         2.0         2.70E-02         AF066083.1         NT           8528         13835         2.0         2.70E-02         AL161494.2         NT           9233         14315         2.1         2.70E-02         AL161494.2         NT           9233         14315         2.1         2.70E-02         AL161494.2         NT           9233         14316         2.1         2.70E-02         AL161494.2         NT           9233         14316         2.1         2.70E-02         AV1258.1         EST_HUMAN           10285	Deinococcus radiodurans R1 section 151 of 229 of the complete chromosome 1	N	AE002014.1	2.60E-02	1.7	15169	10101	4998
6987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         X65137.1         NT           8465         13578         1.3         2.80E-02         AV9970153.1         EST_HUMAN           8465         13578         1.3         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           8528         13579         1.3         2.70E-02         AF068063.1         NT           8528         13579         1.3         2.70E-02         AF068063.1         NT           8528         13535         2.0         2.70E-02         AF068063.1         NT           8528         13635         2.0         2.70E-02         AF068063.1         NT           8528         13635         2.0         2.70E-02         AF161494.2         NT           8528         13635         2.1         2.70E-02         AF258.1         EST_HUMAN           10285         15352         1.0         2.60E-02         AF162382.2         NT	Chicken dorsalin-1 mRNA, complete cds	N	L12032.1	2.60E-02	3.7	15013	9921	4811
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         AV970153.1         EST_HUMAN           8465         13578         1.3         2.80E-02         AF066083.1         NT           9338         1.0         2.80E-02         AF066083.1         NT           9338         1.3         2.70E-02         AF066083.1         NT           8528         13835         2.0         2.70E-02         AL161494.2         NT           8528         13835         2.0         2.70E-02         AL161494.2         NT           9233         14315         2.1         2.70E-02         AL7258.1         EST_HUMAN           9233         14316         2.1         2.70E-02         AV7258.1         EST_HUMAN           9233         14316         2.1         2.70E-02         AV825422.1         EST_HUMAN           9235         15353         1.0         2.60E-02         AV8850515.1         EST_HUMAN	x/68/09.x1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:2662409 3"				1.1		9019	3883
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         X65137.1         NT           8465         13578         1.3         2.80E-02         AF066083.1         NT           9338         1.0         2.80E-02         AF066083.1         NT           9338         1.3         2.70E-02         AF066083.1         NT           9338         1.0         2.80E-02         AF066083.1         NT           9338         1.3         2.70E-02         AF066083.1         NT           9338         1.3         2.70E-02         AF066083.1         NT           9338         1.3         2.70E-02         AL161494.2         NT           98233         14315         2.1         2.70E-02         AL161494.2         NT           9233         14316         2.1         2.70E-02         AL163422.1         EST_HUMAN           10285         15353         1.0         2.60E-02         AL163282.2	Citrus unshiu ADP-giucose pyrophosphorylase small subunit (agpS) mRNA, complete cds		AF184597.1		1.0	13538	8430	3285
8987 14087 0.9 2.90E-02 H72805.1 EST_HUMAN 10055 15125 1.3 2.90E-02 X65137.1 NT 10055 15126 1.3 2.90E-02 X65137.1 NT 5716 0.9 2.80E-02 AF066083.1 NT 8465 13578 1.3 2.80E-02 AF066083.1 NT 9338 1.0 2.80E-02 AF066083.1 NT 9338 1.0 2.80E-02 AF066083.1 NT 8528 13579 1.3 2.70E-02 AF066083.1 NT 8528 13635 2.0 2.70E-02 N47258.1 EST_HUMAN 10285 15352 1.0 2.70E-02 N47258.1 EST_HUMAN 10285 15353 1.0 2.70E-02 AI825422.1 EST_HUMAN 10285 15353 1.0 2.60E-02 AI825422.1 EST_HUMAN 10285 1.1 2.60E-02 AI8254241 NT 10420 12828 1.0 2.60E-02 6754241 NT	genes	NT	AF109906.1		1.6		8036	2885
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         AF066083.1         NT           8465         13578         1.3         2.80E-02         AF066083.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           9538         1.0         2.80E-02         AF066063.1         NT           9538         1.3         2.70E-02         AF066063.1         NT           9538         1.3         2.70E-02         AF066063.1         NT           9539         1.3         2.70E-02         AF066063.1         NT           9538         1.3         2.70E-02         AF066063.1         NT           9539         1.3         2.70E-02         AF066063.1         NT           9539         1.3         2.70E-02         AF066093.1         NT           9539         1.								
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         AF066083.1         NT           8465         13578         1.3         2.80E-02         AF066083.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           9538         1.3         2.70E-02         AF066063.1         NT           9538         1.3         2.70E-02         AF066063.1         NT           9538         1.3         2.70E-02         AF066063.1         NT           9538         13535         2.0         2.70E-02         AF066063.1         NT           9233         14315         2.1         2.70E-02         AL161494.2         NT           9233         14316         2.1         2.70E-02         AH258.1         EST_HUMAN           10285         15352         1.0         2.70E-02	Mus musculus histidine rich calcium binding protein (Hrc), mKNA	NT	6754241	2.60E-02	1.0	12628	7420	2317
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         AF066063.1         NT           8465         13578         1.3         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           9538         1.0         2.80E-02         AF066063.1         NT           9538         1.3         2.70E-02         AF066063.1         NT           9538         1.3         2.70E-02         AF066063.1         NT           9539         1.3         2.70E-02         AF066063.1         NT           9538         1.3         2.70E-02         AF066063.1         NT           9539         1.3         2.70E-02         AF066063.1         NT           9533         1.4315         2.1         2.70E-02         AF056059.1         NT	Mus musculus histidine rich calcium binding protein (Hrc), mRNA	NT	6754241	2.60E-02	1.0	12627	7420	2317
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         AF066063.1         NT           8465         13578         1.3         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           6600         11774         1.3         2.70E-02         U66059.1         NT           8528         13635         2.0         2.70E-02         AL161494.2         NT           9233         14316         2.1         2.70E-02         N47258.1         EST_HUMAN           10285         15352         1.0         2.70E-02         AL825422.1         EST_HUMAN           10285         15353         1.0         2.70E-02         AL825422.1         EST_HUMAN           5721         10837         1.1         2.60E-02         AV850515.1         EST_HUMAN           6473         1.0         2.60E-02         AV850515.1         EST_HUMAN	ab02b02.s1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:839595 3*	EST_HUMAN	AA490021.1		1.1	12625	7418	2315
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         AF066083.1         NT           8465         13578         1.3         2.80E-02         AF066083.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           8528         13579         1.3         2.70E-02         AF066063.1         NT           8528         13635         2.0         2.70E-02         U66059.1         NT           8528         13635         2.0         2.70E-02         AL161494.2         NT           9233         14315         2.1         2.70E-02         N47258.1         EST_HUMAN           10285         15352         1.0         2.70E-02         Al825422.1         EST_HUMAN           10285         15353         1.0         2.70E-02         Al825422.1         EST_HUMAN           572		EST_HUMAN		2.60E-02	1.0		6473	1345
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         AF066063.1         NT           8465         13578         1.3         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           6600         11774         1.3         2.70E-02         U66059.1         NT           8528         13635         2.0         2.70E-02         AL161494.2         NT           9233         14315         2.1         2.70E-02         N47258.1         EST_HUMAN           10285         15352         1.0         2.70E-02         AI825422.1         EST_HUMAN           10285         15353         1.0         2.70E-02         AI825422.1         EST_HUMAN	Homo sapiens chromosome 21 segment HS21C082	NT		2.60E-02	Ξ.	10837	5721	559
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         AW970153.1         NT           8465         13578         1.3         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           6600         11774         1.3         2.70E-02         B393751         NT           8528         13635         2.0         2.70E-02         AL161494.2         NT           9233         14315         2.1         2.70E-02         N47258.1         EST_HUMAN           9235         15352         1.0         2.70E-02         Al825422.1         EST_HUMAN	wb18e04.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2306046 3				1.0	15353	10285	5194
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         AW970153.1         NT           8465         13578         1.3         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         B393751         NT           6800         11774         1.3         2.70E-02         U66059.1         NT           8528         13635         2.0         2.70E-02         AL161494.2         NT           9233         14315         2.1         2.70E-02         N47258.1         EST_HUMAN           9233         14316         2.1         2.70E-02         N47258.1         EST_HUMAN	wb18e04.x1 NCI_CGAP_GC6 Homo sapiens cDNA done IMAGE:2306046 3				1.0	15352	10285	5194
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         AW970153.1         EST_HUMAN           8465         13578         1.3         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         B393751         NT           6800         11774         1.3         2.70E-02         U66059.1         NT           8528         13635         2.0         2.70E-02         AL161494.2         NT           9233         14315         2.1         2.70E-02         N47258.1         EST_HUMAN	yy86h12.r1 Soares_multiple_sclerosis_2NbHMSF Homo sapiens culva cione imakse::260467	EST_HUMAN	N47258.1		2.1	14316	9233	4107
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         AW970153.1         EST_HUMAN           8465         13578         1.3         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         B393751         NT           6600         11774         1.3         2.70E-02         U66059.1         NT           8528         13635         2.0         2.70E-02         AL161494.2         NT	yy86h12.r1 Soares_multiple_scierosis_2NbHMSP Homo saplens cDNA cione IMAGE:28048/	EST_HUMAN	N47258.1		2.1	14315	9233	4107
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         AW970153.1         EST_HUMAN           8465         13578         1.3         2.80E-02         AF066063.1         NT           9338         1.3         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         B393751         NT           6600         11774         1.3         2.70E-02         U56059.1         NT	Arabidopsis thaliana DNA chromosome 4, contig fragment No. 6	NT			2.0	13635	8528	3385
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN           10055         15125         1.3         2.90E-02         X65137.1         NT           10055         15126         1.3         2.90E-02         X65137.1         NT           5716         0.9         2.80E-02         AW970153.1         EST_HUMAN           8465         13578         1.3         2.80E-02         AF066063.1         NT           8465         13579         1.3         2.80E-02         AF066063.1         NT           9338         1.0         2.80E-02         AF066063.1         NT	Human gemilne T-cell receptor beta chain Dopamine-beta-hydroxylase-like, TRY1, TRY2, TRY3, TCRBV27S1P, TCRBV22S1A2N1T, TCRBV9S1A1T, TCRBV7S1A1N2T, TCRBV5S1A1T, TCRBV13S3, TCRBV6S7P, TCRBV7S3A2T, TCRBV13S2A1T, TCRBV9S2A2PT, TCRBV7S2A1N4T, TCRBV13S9/13S>	NT			1.3	11774	6800	1473
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN         YUUFBTUTT Source International	Rattus norvegicus microtubule-associated protein tau (Mapt), mRNA	TN		2.80E-02	1.0		9338	4214
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN         YUUFBTUTT Source International Internation International International International International I	Homo sapiens retinal fascin (FSCN2) gene, exon 2	NT			1.3	13579	8465	3321
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN         YUVF810.1         Solars local lo	Homo sapiens retinal fascin (FSCN2) gene, exon 2	NT			1.3	13578	8465	3321
8987         14087         0.9         2.90E-02         H72805.1         EST_HUMAN         YUU781U.T Source lear liver spicering           10055         15125         1.3         2.90E-02         X65137.1         NT         S.vulgare pepC gene for PEP carbox           10055         15126         1.3         2.90E-02         X65137.1         NT         S.vulgare pepC gene for PEP carbox	EST382234 MAGE resequences, MAGK Homo sapiens cDNA		3.1		0.9		5716	553
8987 14087 0.9 2.90E-02 H72805.1 EST HUMAN VIUVE TUTT SOURCE INCH SCHOOL SCHOOL SOURCE IN SOURCE	S.vulgare pepC gene for PEP carboxylase	TN		2.90E-02	1.3	15126	10055	4950
8987 14087 0.9 2.90E-02 H72805.1 EST HUMAN YUU7910.71 SOBRES INCH INVESTIGATION	S.vulgare pepC gene for PEP carboxylase	1		2.90E-02	1.3	15125	10055	4950
	yu07e10.r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:233130.5'			2.90E-02	0.9	14087	8987	385 <b>1</b>

Reites will brow see	IV.	0/20/3.1	2.10E-02	2.5	11530	83	
Bacillus subtilis cotkLM duster, Cotk (cotk), Cott (cott.), and spore was promise count (count)	Ž	-	2	9			
	N,	AF029726.1	2.10E-02	2.7			441
S. cerevisiae chromosome iv reading mame URF TULZ450	NT	Z74293.1	2.20E-02	1.0	14081	8980	3844
	EST HUMAN	AW601317.1	2.20E-02	1.1	14009	8916	3779
infectious bursal disease virus segment is strain it 4 VFT gene, complete cus		AF083094.1	2.20E-02	3.3		8734	3595
Inn24a04.s1 NCI CGAP Gas1 Homo saplens CUNA Cione IMAGE: 1004702 3	EST_HUMAN	AA577785.1	2.20E-02	1.9		8531	3388
Mus musculus ets variant protein ER81 gene, exons 1 urougn 4	NT	AF109633.1		0.5	12980	7952	2695
S.pneumoniae pcpA gene and open reading trames	NT	Z82001.1		0.6	12284		1968
	NT	4557448 NT	2.20E-02	0.6		6836	1713
mitochondrial protein, complete cds	NT.	AF018267.1	2.20E-02	1.1	11014	5874	720
Columba livia nucleoside diphosphate kinase (NDPK) gene, nuclear gene encoung							
qz35c03.x5 NCI_CGAP_Kid11 Homo sapiens cUNA cione IMAGE: 2020000 3	EST_HUMAN	AI793177.1	2.30E-02	1.0	15124		4948
qz35c03.x5 NCI_CGAP_Kid11 Homo sapiens cDNA cione IMAGE: 2020000 3	EST_HUMAN	AI793177.1	2.30E-02	1.0	15123	10053	4948
MR0-HT0159-151099-001-e03 HT0159 Homo sapiens CUNA	EST HUMAN	BE143150.1	2.30E-02	1.8	14687		4472
Mycobacterium tuberculosis H37Rv complete genome; segment 130/102	NT	Z83867.1	2.30E-02	5.2	14613		4402
xs25d08.x1 NCI_CGAP_UI2 Homo sapiens cDNA clone IMAGE:27/06/13	EST HUMAN	AW593693.1		0.9	14562	$\overline{}$	4348
xs25d08.x1 NCI_CGAP_Ut2 Homo sapiens cDNA clone IMAGE:27/06/1-3	EST_HUMAN	AW593693.1		0.9	14561	ᄀ	4348
CM4-NN0080-290400-160-b04 NN0080 Homo sapiens CUNA	EST_HUMAN	AW899107.1	2.30E-02	1.3	14534		4323
Gallus gallus connexin 45.6 (Cx45.6) gene, complete cos	NT	L24799.1	2.30E-02	1.2	14268	9184	4057
Gallus gallus connexin 45.6 (Cx45.6) gene, complete cds	NT	L24799.1	2.30∈-02	1.2	14267	9184	4057
	EST_HUMAN	Z20377.1	2.30E-02	4.8	13861	8767	3628
	NT	Z74293.1	2.30E-02	0.9	12613	7405	2302
4 Homo sapiens mammary tumor-associated protein IN16 (IN16) gene, exon 4	NT	U94165.1	2.30∈-02	2.9		$\neg$	1844
za84g08.r1 Soares fetal lung NbHL19W Homo sapiens CUNA Glone IMAGE. 282294 3	EST_HUMAN	W05340.1	2.30E-02	2.1		_	1829
Arabidopsis thaliana DNA chromosome 4, contig fragment No. 91	NT	AL161595.2	2.40E-02	11.5		$\Box$	5119
2K(B))	SWISSPROT	P01901	2.40E-02	1.4	14632	9540	4420
H-2 CLASS I HISTOCOMPATIBILITY ANTIGEN, K-B ALPHA CHAIN PRECURSOR (H-						1	
H-2 CLASS I HISTOCOMPATIBILITY ANTIGEN, A-B ALFIDA CIDAIN FOR CONSIGNATION OF ALFIDA CONSIG	SWISSPROT	P01901	2.40E-02		14631	9540	4420
	NT	J05110.1	_	1.4	14480		4272
	SWISSPROT	P01901	2.40E-02	0.8	12317	7932	1998
	SWISSPROT	P01901	2.40E-02	0.8	12316	7932	1998
yr75f11.r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone iMAGE:211149 5	EST_HUMAN	H65884.1	2.40E-02	0.7	11876	6706	1580
1672CU/.x1 Soares NnHMPU ST Homo sapietis CUIVA Gotte IMASCE	EST HUMAN	Al378582.1	2.40E-02	1.0	10488	5361	167
ht36h08.x1 Soares NFL T GBC S1 Homo sapiens CUNA Clone IMAGE:2070156 31	EST_HUMAN			5.1	14320	9237	4111
gb:M16936 HOMEOBOX PROTEIN HOX-C6 (HUMAN);	EST_HUMAN	BE464190.1	2,50E-02	1.0	13625	8519	3376
The state of COAD Width Dome captions count clone (MAGE:3194611 3' similar to							

nw04f05.s1 NCL CGAP_SS1 Homo sapiens CUNA Gone invage: 1230337 3	EST_HUMAN	1.90E-02 AA713856.1	1.90E-02	7.1	13128	8026	گر اگر	-
Arabidopsis thaliana DNA chromosome 4, conug tragment No. 30		AL161550.2	1.90E-02	0.9	12762	7557	2458	7
Homo sapiens chromosome 21 segment HS21C1U3	N <sub>1</sub>	AL163303.2	1.90E-02	0.9	12312	7108	1993	7
Homo sapiens chromosome 21 segment HSZ1C1V3	NT	AL163303.2	1.90E-02	0.9	12311	7109	1993	_
EMPTY SPIRACLES HOMEOTIC PROTEIN	SWISSPROT	P18488	1.80E-02	0.8	11896	6726	1599	Т
L1.t1 L1 repetitive element :	EST_HUMAN	AA572764.1	1.90E-02	0.6	10964	5833	678	
ad 100 lot 1 society Pri Homo sanians cDNA clone IMAGE:914196 similar to contains	EO LOWAN	AAA50538.1	2.00E-02	1.0	15262	10183	5085	Υ-
Homo sapiens chromosome z i segment nozitoza		AL163278.2		1.0	15257	10177	5079	
P. vulgaris hydroxyproline-non glycoprotein (nikur) filikur, 3 eilu	NI	M18095.1		1.5	14146	9059	3925	
Arabidopsis thallana C2H2 zinc linger protein F2F linder, withhere we	Z	AF095588.1		3.3		8338	3189	
		05474		1.2		8255	3105	
Arabidopsis maliana DNA chromosome 4, control inspiriture vo. 32	2	AL161532.2	2.00€-02	0.6		7852	2768	
Homo sapiens hypothetical protein FLJ10400 (FLJ10400), IIINNA		22453		0.8	12133	6949	1830	
Homo sapiens hypothetical protein ruliveo (ruliveo), ilinvin	NT	8922453	2.00E-02	0.8	12132	6949	1830	٦
Homo sapiens hypothetical protein FLJ103/8 (FLJ103/8), mxiv		8922391 NT	2.00E-02	0.6	11471	6314	1181	Т
Homo saplens hypothetical protein FLJ103/8 (FLJ103/8), mkivk		8922391 NT	2.00E-02	0.6	11470	6314	1181	7
1[1p36.33] of Homo saplens		AL096805.1	2.00€-02	1.0	11362	6209	1071	
Homo sablens genomic region containing hypervariable minisatellites chromosome			1:00	9.0	1001	5	/6	Т
Mus musculus DinB homolog 1 (E. coll) (Dinb1), mRNA	NT	53635		0 5	11083	2022	787	Т
ga15b10.r1 Soares NhHMPu S1 Homo sapiens cDNA clone IMAGE:813307 5	T HUMAN	AA456538.1		00	10600	2 2	303	Т
Mus musculus DinB homolog 1 (E. coli) (Dinb1), mRNA		6753635		0.9	10572	S4.7	270	T
QV4-NN0038-270400-187-h05 NN0038 Homo sapiens cDNA	EST_HUMAN	AW895565.1		2.7	10328	5337	18	T
wh54805.x1 NCI_CGAP_Kid11 Homo saplens cDNA clone IMAGE:2384528 3	EST_HUMAN	A1823432.1		0.9	14918	9826	4714	Т
A.thailana mitochondrial genome, part A		Y08501.1	1	4.7	14820	9725	4611	Т
wg81d11.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens conva durie [IMAGE:2371509 3]	EST_HUMAN	AI768127.1	2.10E-02	1.0	14565	9473	4351	Т
genes	T	U44914.1	2.10E-02	1.6	14554	9465	4342	
Bornella humdorferi plasmid cp32-2, erpC and erpD genes, complete cds; and unknown		214200.1	2.105-02	0.8	14251	9100	4038	T
S cerevisiae chromosome IV reading frame ORF YDL245c		774203 4		3	10770	00/0	3333	Т
zx63b09.r1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:796121 5'	EST HUMAN	AA461271 1	cu aut c	s s	13770	0570	ş,	$\neg \tau$
PM2-BT0546-120100-001-111 B10546 Homo sapiens curva	EST_HUMAN	BE072546.1	2.10E-02	0.9	12309	7105	3110	٦
		BE072546.1	2.10E-02	0.8	12308	7105	3110	П
yx43h07.r1 Soares melanocyte 2NbHM Homo sapiens curva cione image: 2010-110		N29266.1	2.10E-02	1.4	11062	5915	2785	$\neg$
		AF190899.1	2.10E-02	1.0	12226	7037	1920	Ţ
	N T	AF204395.1	2.10E-02	0.7	11658	6492	1365	
Mus musculus macrophage migration inhibitory factor (MIF) gene, 5' flanking region and		71 201000.1		,	195	7840	1000	T
Mus musculus macrophage migration innibitory ractor (Mir) gene, a national region and partial cds	Z 1	AF204395 1	3 105.03	. 7	44657	6400	A DOE	
								1

ac19f04.s1 Stratagene ovary (#937217) Homo sapiens cDNA cione IMAGE:coos27 3 similar to contains Alu repetitive element;contains element MER24 repetitive element;	EST_HUMAN	AA669618.1	1.70E-02	1.0		9205	407-
HISTIDINE-RICH GLYCOPROTEIN PRECURSOR	SWISSPROT	P04929	1.70E-02	0.9		8712	3573
hm45a04.x1 NCI_CGAP_RDF1 Homo sapiens cDNA clone IMAGE:3015534 3 similar to contains MER19.b1 MER19 repetitive element;	EST_HUMAN	AW827368.1	1.70E-02	4.2		8088	3467
qb22a08.x1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:1696982 3'	EST_HUMAN	AI147615.1	1.70E-02	0.9	13227	8119	2968
Homo sapiens putative Rab5 GDP/GTP exchange factor nomologue (KABEX5), mKNA	NT	7657495 NT	1.70E-02	1.4		7693	2603
Oryctolagus cuniculus mRNA for mitsugumin29, complete cds	NT	AB004816.1	_	4.7		7178	2066
Homo sapiens chromosome 21 segment HS21C004	NT	AL163204.2	1	1.1		6947	1828
h/34a03.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone imAGE:293740 3 similar to contains L1.t1 L1 repetitive element;	EST_HUMAN	AW573183.1	1.70E-02	0.8	12052	6872	1750
h/34a03.x1 Soares_NFL_T_GBC_S1 Homo sapiens CDNA clone in/AGE:293740 3 stimular to contains L1.t1 L1 repetitive element;	EST_HUMAN	AW573183.1	1.70E-02	0.8	12051	6872	1750
	EST_HUMAN	BE394869.1	1.70E-02	1.3	11194	6036	888
qm06b04.x1 NCI_CGAP_Lu5 Homo sapiens cDNA clone IMAGE:1881007 3	EST HUMAN	AI288701.1		1.1	15075	9994	4887
HYPOTHETICAL PROTEIN DJ845024.2	SWISSPROT	O60810	_	1.1	15064	9980	4873
QV4-DT0021-301299-071-511 DT0021 Homo sapiens cDNA	EST_HUMAN	AW936363.1		1.4	14543	9455	4332
ak24h04.s1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1406935 3	EST_HUMAN	AA861446.1		1.2		9128	3996
MR1-OT0011-280300-009-g04 OT0011 Homo sapiens cDNA	EST_HUMAN	AW879122.1		1.3	14046	8949	3812
MR1-OT0011-280300-009-g04 OT0011 Homo sapiens cDNA	EST_HUMAN	1.221628MV		1.1	14045	8949	3812
S.cerevisiae chromosome XV reading frame ORF YOR151c	N.T	Z75059.1	_	. <u>.</u>	13742	8630	3489
Ite52a09.x1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:2090296 3"	EST_HUMAN	A1805829.1	1.80E-02	0.9		8323	3174
	NT	AF243382.1		1.2	11719	8545	1417
H.francisci mRNA for myelin basic protein (MBP)	NT	X17664.1	I	1.3	11432	8279	114
hn52c08.x1 NCI_CGAP_Co17 Homo sapiens cDNA clone IMAGE:3027274 3' similar to contains element MER29 repetitive element;	EST_HUMAN	AW771104.1	1.80E-02	1.4	10649	5524	343
[PROTEIN-PII] URIDYLYLTRANSFERASE (PII URIDYLYL-TRANSFERASE) (URIDYLYL REMOVING ENZYME) (UTASE)	SWISSPROT	ОЭZ9НО	1.80E-02	1.1		5291	85
Arabidopsis thaliana DNA chromosome 4, config fragment No. 50	NT	AL161550.2	1.90€-02	1.9	12762	7557	4944
1/146d04.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens CUNA Gone IMAGE::2144351 3' similar to contains Alu repetitive element;	EST_HUMAN	AI452999.1	1.90E-02	2.5	14657	9561	4441
HOMEOTIC BICOID PROTEIN (PRD-4)	SWISSPROT	P09081	1.90E-02	1.5	14310	9225	4099
HOMEOTIC BICOID PROTEIN (PRD-4)	SWISSPROT	P09081		1.5	14309	9225	4099
Mycoplasma imitans VihA1 precursor (vihA1) and VihA2 precursor (vihA2) genes, partial cds	NT	AF141940.1	1.90E-02	1.1	14178	9093	3961
qn04c07.x1 NCI_CGAP_Lu5 Homo sapiens cDNA clone IMAGE:1897260 3' similar to contains Alu repetitive element;	EST_HUMAN	Al301183.1	1.90E-02	1.0	13887	8793	3654
yz28b02.s1 Soares_multiple_sclerosis_2NbHMSP Homo sapiens cDNA clone IMAGE:284331 3'	EST_HUMAN	N52250.1		1.3		8699	3560
Urotrichus talpoides mitochondrial gene for cytochrome b, complete cds	NT	AB033611.1	1.90E-02	0.8		8370	3222

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Mus musculus nistocompationity 2, with home to company to the second sec	8 NT	6996918 NT	1.40E-02		T	Т	300	
notitio sapiette component factor 8 (H2-8f), mRNA	a Ni	4503628 NI	1.40E-02	1.0	13729	7	3476	
Lamp sprions cognitation factor XII (Hageman factor) (F12), mRNA	2 2	AL161586.2	1.40E-02	5.2	13694	8581	3439	
Arabidonels thallana DNA chromosome 4, contig fragment No. 82	1	AL 161500.2	1.40E-02	Γ	13693	8581	3439	
Arabidonsis thaliana DNA chromosome 4, contig fragment No. 82	- 11	A1 404E0E 3	1.405-02	I		8496	3352	
xb09d09.x1 NCI_CGAP_GU1 Homo sapiens cDNA clone IMAGE:25/5/83 3	EST HUMAN	4 40E 02 AW074212 1	1 400 03	T	Т	Т	1374	
Homo sapiens headpin gene, complete cas	3	AF216854.1	1 405-00			Т	12/0	
Xenopus laevis neurogenin related 1b (X-NGNX-10) mxxxx, compare cue	TN	U67779.1		3		Т	1230	
Haemophilus influenzae Kd section 115 of 103 of the Carlipion Bornaleto	S	U32800.1	1.40E-02	1.4	T	Т	100	
Homo sapiens NESH protein (LOCO 1220), illinios	NT	7705980 NT	1.40E-02	1.2	11382			
Chlamydophila prieumoniae Arvas, securi so et e e e e e e e e e e e e e e e e e e	3	AE002230.2	1.40E-02	1.5	П	7	411	
zq40g10.r1 Stratagene hNT neuron (#93/233) routilo sapiete complete genome	EST_HUMAN	AA160967.1	1.50E-02	1.2	14259	9176	4049	
aa88c10.s1 Stratagene tetal retina 93/202 nutito septema contro dens IMAGE:632226 5	EST HUMAN	AA458797.1	1.50E-02	1.2		8753	. 3614	
TIGHTO SACIONS CARCAST BOTTON TO THE PROPERTY OF THE PROPERTY	N .	AJ006216.1	1.50E-02	1.4	13276	8175	3023	
Homo serviene CACNA15 nana, exons 1 to 48	1	AJ006216.1	1.50E-02	1.4	13275	8175	3023	_
Homo saniens CACNA1F gene, exons 1 to 48	1	AL161594.2	1.50E-02	0.9	12446	7238	2128	
Ambidancie thallana DNA chromosome 4, contig fragment No. 90	EST HUMAN	N39521.1		1.4	12411	7206	2095	
CTLCT 1 Commo fotal liver enisen 1NEI S Homo sapiens cDNA clone IMAGE:243925 3'		00000	70-10C-1	ä.S		588	734	_
Homo saplens transcription factor (HSA130894), mRNA	1-	AW0/340/.1	_	0.9	14417		4203	
00/2-5T0012-140100-030-07 PT0012 Homo sapiens cDNA	EST LINAN	AF 1 10320.7	1-	2.2		9211	4084	_
oxidoreductase, NG29, KIFC1, Fas-binding protein, BING1, tapasin, RalGDS-like, KE2, oxidoreductase, NG29, KIFC1, Fas-binding protein, BING4, beta 1,3-galactosyl transferase, and RPS18 genes, complete cds; Sacm21 gene, partial>	i							
have misculus malor histocompatibility complex region NG27, NG28, RPS28, NADH	EST DOMEST	AVVBOUGSTAN	1.605-02	3.8	13734	8622	3481	_
III 2 CT/210 160200 -063-C07 CT0219 Homo saplens cDNA		AB014534.1	1	=		7751	2662	
Light rapidities migna for KIAA0834 protein, partial cds	EST TOMAN		_	0.5	12900	7696	2606	_
TOTTO Sapietis NYCK 1 Botto Sapietis NYCK 1				1.0	12816	7614	2518	
LIVEN CANDON FEORE TO THE COMPANY OF	SWIGGEROI		1.60E-02	1.1	12523	7311	2202	_
LIVER CARBOX LES LEVES 22 PRECURSOR (EGASYN) (ESTERASE-22)	SWISSPROT			1.1	12522	7311	2202	7
protein homologue  protein homologue  RECLIRSOR (EGASYN) (ESTERASE-22)	NT			1.1	11931	6761	1635	
Transperse maltonhillum flaB2. flaB3 and filD genes for flagellin subunit proteins and CAP	2	1.60E-02   AL021929.1	1.60E-02	0.5		5665	501	7
Nuno herpesvilus 4 complete genome; segment 13/162	Z		1.70€-02	5.5	15144	10070	4967	
OVER 1 SOCIETY OF THE PROPERTY	EST HUMAN			5.3		9820	4708	
Messenger NAS to anjustical Commo sagiens cDNA done IMAGE:1640858 3'			_	1.8	14823	9729	4615	7
1 1	EST_HUMAN	3.1		1.2	14641	9548	4427	
hr24an3 x1 Spares NFL T GBC S1 Homo saplens cDNA done IMAGE:2933740 3' similar	EST_HUMAN	R02506.1	1.70E-02	1.8		9231	4105	
vesems r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:124647 5'					_			1

DAUSZ I FUITIBILIBIAI IVOI COINA IIDIBI) I ROITO COPRING COI TO	EST TOWAN	AJU65U86.1	1.00 = -02	0.8	14037	8942	38
MRO-C10060-081089-003-010 C10060 Homo septems CDNA	EST HUMAN	AW845621.1	1.00E-02	1.0		8605	3464
oc22h08.s1 NCI CGAP GCB1. Homo sapiens cuiva done invage; 1350485 5	EST HUMAN	AA806389.1	1.00E-02	1.2		7621	2525
CM2-HT0177-041099-017-h12 HT0177 Homo sapiens CUNA	EST HUMAN	AW368128.1	1.00E-02	0.9	11802	6633	1506
MR3-CT0176-111099-003-e10 C10176 Homo sapiens curva	EST_HUMAN	AW846120.1	1.00E-02	1.1	10317	5214	6
QV2-ST0296-150200-028-c11 ST0296 Homo sapiens curva		AW820281.1	1.10E-02	0.9		9930	4821
DKFZp586E0924_s1 588 (synonym: hute1) Homo sapiens cDNA clone DKFZp586E0924	EST HUMAN	AL048383.2	1.10E-02	1.8	14927	9835	4723
RC3-ST0197-120200-015-g11 S10197 Homo sapiens curvs	EST_HUMAN	AW813796.1	1.10E-02	1.0		9146	4016
PM3-HT0175-300999-001-h06 HT0175 Homo sapiens CUNA	EST_HUMAN	BE144637.1	1.10E-02	0.9		9071	3937
	EST_HUMAN	Al653508.1	1.10E-02	2.5	13732	8619	3478
	NT	AF055066.1	1.10E-02	10.4	13192	808 4804	2933
za40e05.r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:295040 5'	EST_HUMAN	N99523.1	1.10E-02	3.5		7999	2848
H.sapiens LIPA gene, exon 4	NT	X75491.1	1.10E-02	0.7	11984	6803	1679
H.sapiens LIPA gene, exon 4	NT	X75491.1	1.10E-02	0.7	11983	6803	1679
zm69e11.s1 Stratagene neuroepithelium (#93/231) Homo papiens cunic curie (MAGE:530924 3'	EST_HUMAN	AA070364.1	1.10E-02	1.3	11536	6377	1248
	NT	AB019786.1	1.20E-02	1.7		10077	4974
Human hereditary naemocnromatosis region, instante Zernice protein gene, no commy haemochromatosis (HLA-H) gene, RoRet gene, and sodium phosphate transporter (NPT3) gene, complete cds	NT	U91328.1	1.20E-02	2.0	15027	9938	4830
yi11b08.s1 Soares piacenta NozHr Homo sapiens color Lorid Investigation	EST HUMAN	R62805.1	1.20E-02	1.9	13503	8397	3250
zm88e03.r1 Stratagene ovarian cancer (#83/219) riomo sapielis curia dulle introductiva della contra della curia cu	EST_HUMAN	AA075418.1	1.20E-02	6.2		8214	3063
N/37e09.x1 Soares NFL T GBC ST Homo sapiens CUNA Clone IMAGE: \$45020	EST_HUMAN	AW172350.1	1.20E-02	1.3	12699	7493	2596
GBC S1	EST HUMAN	AW172350.1	1.20E-02	1.2	12699	7493	2393
e 21 segm	NT	AL163213.2	1.20E-02	0.7	12448	7240	2130
qd68e12.x1 Soares_testis_NHT Homo sapiens CDNA cione IMAGE:1734670 3 SIIIIIIdi W contains L1.t1 L1 repetitive element :	EST_HUMAN	AI183522.1	1.20E-02	1.0	.11015	5875	721
HYPOTHETICAL 17.1 KD PROTEIN IN PURS S'REGION	SWISSPROT	P38898	1.20E-02	1.5	10742	5611	445
	EST_HUMAN	AA059299.1	1.20E-02	0.6	10660	5532	352
9, 13 and 14 genes	Z	X87344.1	1.20E-02	0.9		5399	206
400	NT	AL163201.2	1.30E-02	1.0	12216	7029	5176
Mus musculus beta-sarcoglycan gene, complete cos	3	AF169288.1	1.30E-02	1.4		9024	3888
Homo sapiens chromosome 21 segment HS21C001	NT	AL163201.2	1.30E-02	0.9	12216	7029	1912
EST374761 MAGE resequences, MAGG Homo sapiens CDNA	EST_HUMAN	AW962688.1		7.3	14595	9509	4387
EST374761 MAGE resequences, MAGG Homo saplens cDNA	EST_HUMAN	AW962688.1	1.40E-02	7.3	14594	9509	4387

4887 9779 14877 4.3 1.00E-02 98597.1 14839 2.4 1.1 14839 2.4 1.1 1	complete cds	NT	7.00E-03 AF198344.1	7.00E-03	1.0	13968	8878	37	
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9779   14877   4.3   1.00E-02   9753521 NT   Mus musculus corticorpin releasing   9847   14939   2.4   1.00E-02   R96567.1   EST_HUMAN   Yq54h01.r1 Soares fetal liver spleen 11   9847   14939   2.4   1.00E-02   R96567.1   EST_HUMAN   Yq54h01.r1 Soares fetal liver spleen 11   10098   15165   0.9   1.00E-02   AF218910.1   NT   Spliced	RC1-HT0545-120200-011-b09 HT0545 Homo sapiens cDNA	ļ, –i			1.0	13522	П	3270	
9779   14877   4.3   1.00E-02   6753521 NT   Mus musculus corticotropin releasing I	Escherichia coil microcin 24 region, DNA binding protein (mdbA), immunity protein (mtfl), microcin 24 (mtfS), and microcin transport protein (mtfA, mtfB) genes, complete cds	NT			0.9	<del></del>		2930	
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	13.	LC0100.1	2.005-03	٥.٢	10939	5811	- P
ORFA, and groß-like protein, complete cds	Ž,	200000				_	
ORFA, and grpE-like protein, complete dds ORFA and grpE-like protein, complete dds	NT	1.25105.1	5.00E-03	1.0	10938	5811	654
ORFA, and grpE-like protein, complete cds  ORFA, and grpE-like protein, complete cds	NT	L25105.1	5.00E-03	0.7	10939	5811	653
ORFA, and grpE-like protein, complete cds	N	L25105.1	5.00E-03	0.7	10938	5811	653
3' Standard Control ORER: aminoacyl-iRNA synthase, complete cds; complete	EST_HUMAN	AA889972.1	6.00E-03	0.9	15299	10224	5129
alosanos sa Sogres parathyroid tumor NbHPA Homo sapiens cDNA clone IMAGE:1404256	2	AL163281.2	6.00E-03	1.8	15290	10211	5115
Lamp spelens chromosome 21 segment HS21C081	EST HUMAN	AA324242.1	6.00E-03	6.8	14803	9711	4597
ov33c11.x1 Soares resus NTI nomo sapiens cDNA 5' end similar to EST containing Alu repeat	EST HUMAN	AI016833.1	6.00E-03	1.4		9392	4267
IMAGE:278179 3'	EST_HUMAN	N58946.1	6.00E-03	0.9		9355	4231
COUGHZOUR I WIT WOO IS TO THE SUBTRICT OF THE	ESI HUMAN	BE250108.1	6.00E-03	1.2		6006	3873
RCU-C10204-240989-021-010 C1020 1000 CDNA clone IMAGE:2959513 5	EST HUMAN	AW847284.1	6.00E-03	0.9	14083	8982	3846
MUS musculus giucosamino o prospinara sanians cDNA	Z	029	6.00E-03	1.3	13939	8849	3711
zc13a11.r1 Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA clone imAGE:3221723	EST_HUMAN	W37985.1	6.00E-03	1.1		8641	3499
and vasotocin genes, complete cds	NT	U90880.1	6.00E-03	1.2	13595	8480	3336
and vasotocin genes, complete cds  and vasotocin genes, complete cds  and vasotocin genes, complete cds	NT	U90880.1	6.00E-03	1.2	13594	8480	3336
yr77h04.r1 Spares fetal liver spleen 1NFLS Homo sapiens cDNA clone iMAGE:2113313	EST_HUMAN	H75690.1	6.00E-03	2.1		8356	3208
an/ 081 1.51 Sodies (6303 1911 1911) Suppose 5	EST HUMAN	AA759135.1	6.00E-03	3.1	13114	8013	2862
an/8e11.s1 Soares teste NHT Homo earliens cDNA clone 1321772 3	EST_HUMAN		6.00E-03	3.1	13113	8013	2862
Danio rerio odorant receptor gene ciustes	NT	L	6.00E-03	1.1	13031	7828	2744
to SW:PXR HUMAN 075469 ORPHAN NUCLEAR RECEPTOR PXR;	EST_HUMAN	AW511148.1	6.00E-03	3.2	11512	6351	1220
	EST_HUMAN	AW511148.1	6.00E-03	3.2	11511	6351	1220
	EST_HUMAN	BE044191.1	7.00E-03	1.1	15216	10138	5038
to TR-083434 093434 RETICULOCALBIN.;	EST_HUMAN	BE044191.1	7.00E-03	1.1	15215	10138	5038
Bee 17 a	NT	AL163278.2	7.00E-03	1.8		10023	4916
hn89a05.y1 NCI CGAP GOT notice september HS21C078	EST HUMAN		7.00E-03	1.0		9615	4495
TR:Q12987 Q12987 ACIDIC 82 KDA PROTEIN: COLOR TR:Q12987 Q12987 ACIDIC 82 KDA PROTEIN: COLOR TR:Q12987 Q12987 ACIDIC 82 KDA PROTEIN: COLOR TR:Q12987 Q12987 ACIDIC 82 KDA PROTEIN: COLOR TR:Q12987 Q12987 ACIDIC 82 KDA PROTEIN: COLOR TR:Q12987 Q12987 ACIDIC 82 KDA PROTEIN: COLOR TR:Q12987 Q12987 ACIDIC 82 KDA PROTEIN: COLOR TR:Q12987 Q12987 ACIDIC 82 KDA PROTEIN: COLOR TR:Q12987 Q12987 ACIDIC 82 KDA PROTEIN: COLOR TR:Q12987 Q12987 ACIDIC 82 KDA PROTEIN: COLOR TR:Q12987 ACIDIC 82 KDA PR	EST_HUMAN		7.00E-03	1.2		9555	4434
Tours and Coan in them spring count in MAGE:2609033 3' similar to							

L	RC6-UM0014-170400-023-G01 UM0014 Homo sapiens CUNA	EST_HUMAN	AW794740.1	4.00E-03	0.5	12551	7339	2232
_	601304161F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3638510 5	EST HUMAN	BE410556.1		0.6		7309	2200
1	zi81a08.r1 Stratagene colon (#937204) Homo sapiens cDNA clone IMAGE:510998 5	EST_HUMAN	AA099777.1	4.00E-03	7.6		7086	1971
1	complete cds	N.	U33472.1	4.00E-03	0.8	12012	6832	1709
1	250940 1.11 NOL CONT. GOD! Hollio salvata CONT. Golden ATTAK mRNA	EOI DOIMAIN	4.00E-03 AAZO4374.1	4.00E-03	1.3	115/2	9 <u>4</u>	1281
1	RC6-UM0014-170400-023-G01 Umo014 Homo sapiens curvs	EST HUMAN	4.00E-03 AW794740.1	4.00E-03	0.5	11442	T	1153
1_	zl81a08.r1 Stratagene colon (#937204) Homo sapiens cDNA clone IMAGE:510998 5	EST_HUMAN	4.00E-03  AA099777.1	4.00E-03	11.0	11421	6269	1133
	RC3-BT0333-110100-012-f01 BT0333 Homo saplens cDNA	EST HUMAN	AW749101.1	4.00E-03	1.2		6041	893
L		EST HUMAN	R46482.1	4.00E-03	0.6	11169	6007	859
L		EST HUMAN	AA939339.1	4.00E-03	1.0	10865	5748	588
1		SWISSPROT	P54675	4.00E-03	0.9	10735	5602	436
<u></u>	yg51e04.s1 Soares infant brain 1NIB Homo sapiens cDNA clone IMAGE:35988 31	EST HUMAN	R46482.1	4.00E-03	0.7	10629	5502	318
l		EST_HUMAN	AW500196.1	4.00E-03	1.0	10547	5423	232
1	cn15c02.x1 Normal Human Trabecular Bone Cells Homo sapiens cDNA Gone NHTBC_cn15c02 random	EST_HUMAN	AI752367.1	5.00E-03	2.5	14828	9733	4619
<u>l</u>	Homo sapiens SCL gene locus	N	AJ131016.1	5.00E-03	0.9	14713	9622	4503
L.	Citrus sinensis seed storage protein citrin mRNA, complete cds	Z.	U38914.1	5.00E-03	0.9	13928	8837	4209
	yu79g10.r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA done IMAGE:240066 5	EST_HUMAN	H78355.1	5.00E-03	0.9	14418	9332	4207
1	EST12218 Uterus tumor I Homo saplens cDNA 5' end	EST_HUMAN	AA299675.1	5.00E-03	1.4		9026	3890
<u>L</u>	Citrus sinensis seed storage protein citrin mRNA, complete cds	NT	U38914.1	5.00E-03 U38914.1	0.8	13928	8837	3698
<u> </u>	Pseudomonas aeruginosa strain PAO1 penicillin-binding protein 1B (ponB) gene, complete cds	N	AF147449.2	5.00E-03	4.2	13873	8780	3641
°	Homo sapiens partial LIMD1 gene for LIM domains containing protein 1 and KIAA0851 gene	NT T	AJ297357.1	5.00E-03	1.1		8387	3240
	y/86g02.s1 Soares breast 2NbHBst Homo saplens cDNA clone IMAGE:155666 3	EST HUMAN	R71794.1	5.00E-03 R71794.1	1.0	13385	8278	3129
<u>I</u>	Arabidopsis thaliana DNA chromosome 4, contig fragment No. 3	NT	5.00E-03 AL161491:2	5.00E-03	1.8		8265	3116
<u> </u>	yc81f09.s1 Soares Infant brain 1NIB Homo sapiens cDNA done IMAGE:22395 3'	EST_HUMAN	T87623.1	5.00E-03 T87623.1	4.1	13352	8248	3097
	601194786F1 NIH_MGC_7 Homo sapiens cDNA done IMAGE:3538789 5'	EST_HUMAN	5.00E-03  BE266057.1	5.00E-03	1.0	13161	8056	2905
1_	Homo sapiens mRNA for KIAA1180 protein, partial cds	NT	AB033006.1	5.00E-03	1.2	12937	7737	2648
1	qd79d05.x1 Soares_testis_NHT Homo sapiens cDNA done IMAGE:1735689 3*	EST_HUMAN	A1138977.1	5.00E-03	0.9		6679	1552
	UI-H-BI2-ahi-d-06-0-UI.s1 NCI_CGAP_Sub4 Homo saplens cDNA clone IMAGE:2727203 3'	EST_HUMAN	AW293363.1	5.00E-03	1.3	11403	6252	1115
13	UI-H-BI2-ahl-d-06-0-UI.s1 NCI_CGAP_Sub4 Homo sapiens cDNA clone IMAGE:2727203 3'	EST_HUMAN	AW293363.1	5.00E-03	1.3	11402	6252	1115
<u></u>	Arabidopsis thaliana mRNA for DEAD box RNA helicase,RH3	NT	5.00E-03 AJ010457.1	5.00E-03	1.4	11386	6234	1096
J								

Nation 100 to Brown 9 9	N.	3.00E-03 AJ011432.1	3.00€-03	11.9	14510	Т		_
	Z	Z32521.1	3.00€-03	٦	Т	-1	4058	
S (A) Halo) mRNA for triosephosphate isomerase	EST TOWN	AI792278.1	3.00E-03	1.6	14102	Т	3050	_
ahnufng v5 Gessier Wilms tumor Homo sapiens cDNA done IMAGE:1150009 0		Y12500.1	3.00€-03	6.8		7	3379	_
C elegans samdo gene	NT.	034000.	3.00=-03	2.0	13621	8514	3371	_
Mus musculus alpha-1(XVIII) collagen (COL18A1) gene, exciti centre	NT	1134606 1	3.000			8261	3112	_
1L2-UM0076-240300-056-D03 UM0076 Fixture address a control of the	EST HUMAN	AWRODERT 1	3.00		Γ	8195	3044	
601237982F1 NIH MGC 44 Homo sapiens CUNA Gidie IMAGE: CONA	EST HUMAN	RE379296.1	3.000-03	e.a	T	8114	2963	
Arabidopsis thallana rpoMt gene	4	YNONNA 1			0/671	7770	2683	_
OCITION	Ŋ	AF034863.1	_	-	7007	/355	2249	r
Mus musculus i Franti Pena to 1900 molecula (S.SCAM) mRNA, complete cds	N <sub>1</sub>	AJ271004.1	3.00E-03		40880			Т
mus illuscolor in Trafail Eactor 3/Intestinal Trafail Factor protein, exons 1-3	NI	AJ271004.1	3.00€-03	1.1	12561	7355	2249	
Attachmissing TEF3/ITF dene for Trefoil Factor 3/Intestinal Trefoil Factor protein, exons 1-3		1.126267	3.000-03	1.4		7354	2248	
鼍		AFUSSVOO.		0.9		7319	2211	П
	NT NT	X87344.1	3.00E-03	1.0		6830	1707	
Alu repetitive element; H.saplens DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LMP7, TAP2, DOB, DQB2 and RING8,	EST_HUMAN	AA468110.1	3.00€-03 /	0.7	11933	6764	1638	
nc73c05.s1 NCI_CGAP_Pr2 Homo sapiens CUNA Gone INFAGE: 12207 3			3.00E-03	Q.B	11759	65 65	1458	
HA1611 Human fetal liver cDNA library Homo sapiens curva	T HUMAN	A1133024 1		2.6	11170	6009	861	П
Homo sapiens protein kinase CK2 catalytic subunit alpha gene, excit		AF011020 1	3.001-03	0.6	10678	5545	367	٦
		AE044030 1		13.2	15328	10258	5164	٦
Foot and mouth disease virus serotype A-12 118ab capsus provent		AL 100001.4		0.8	15038	9949	4842	٦
	EST HUMAN t	AI732754.1		=	14722	9628	4509	
ab18a08.x5 Stratagene lung (#937210) Homo sapiens curvo come in the contraction of the co		20011	4.000	1.8		9048	3914	
Homo saplens TNNT1 gene, exons 1-11 (and pure Sept.) Acros IMAGE:841142 3' similar		A I041712 1		0.8	14088	8988	3852	
Mus musculus tumor susceptibility protein 101 (ISB101) gene, with the		AEDRORGS 1	4.00E-03 AE0808	0.8	13810	8711	3836	
OLFACTORY RECEPTOR 511 (OLFACTORY RECEPTOR-LINE FROM COM-		013000	4.001-03	0.8	13810	8711	3572	
OLFACTORY RECEPTOR 511 (OLFACTORY RECEPTOR-LINE PROTEIN OF 1)	$\perp$	A2606	4.00E-03 AV 100420.	0.9	13740	8628	3487	٦
x98f04.x1 NCI CGAP Co18 Homo sapiens cDNA clone IMAGE: 2003278 3	HIMAN	1.	4.00E-03 A	0.9	13739	8628	3487	T
NORICA XI NCI CGAP Co18 Homo saplens cDNA cione IMAGE: 200327 8	T LI IMAN		4.00E-03 AL 103204.2	1.0	12950	7752	28	1
Homo sapiens chromosome 21 segment HS21C084	NT N	3	4.00E-03 U52111.2	0.7	12823	7622	2526	
Homo sapiens XZ8 region hear CL 1900 (RPL18a), Ca2+/Calmodulin-dependent protein kinase i (DUSP9), ribosomal protein L18a (RPL18a), Ca2+/Calmodulin-dependent protein protein > (CAMKI), creatine transporter (CRTR), CDM protein (CDM), adrenoleukodystrophy protein > (CAMKI), creatine transporter (CRTR), CDM protein (CDM), adrenoleukodystrophy protein > (CAMKI).								
No specific page At D locus containing dual specificity phosphatase 9		7.11.760	4.00E-03 US	0.7	12822	7622	2526	
Homo sapiens X28 region near ALD locus Containing Conta	00 F							
2 P lease postaining dual specificity phosphatase 9								

					I	_		г
NEUROGENIC LOCGO NOTO: N	SWISSPROT	P07207	6.00E-04	1.6	٦	7	8	т
NEUROPENIO LOCILE NOTCH PROTEIN PRECURSOR	SWISSPROT	P07207	6.00E-04	1.6	٦	╗	967	_
NEUROGENIC LOCUS NOTCH PROTEIN PRECURSOR	SWISSPROT	P07207	6.00E-04	1.6	٦	Т	967	_
NET I DOCENIO I OCI IS NOTCH PROTEIN PRECURSOR	_	48851/0	7.00E-04	1.0	13497	╗	3243	7
Home sanians chromosome X open reading frame 6 (CXORF6) mRNA		AL 1032 10.2	7.001-04	3.3	12969	7769	2682	_
Homo sablens chromosome 21 segment HS21C010	NT.	1 400040 0	7.000	1.1	12659	7452	2350	_
Iœ	NT	170185 1	7 200	0.0	12094	6906	1786	_
Homo saplens CYP17 gene, 5' end	Z	1 41825 1			1007	8/08	4650	_
Homo sapiens prion protein (rir) gaile, compare see	3	U29185.1		34	14001	200	1000	Т
LINE-1 REVERSE I RANGUNIT INGE I COMPlete Cole	SWISSPROT	P08547	- 1	4.2		317	4080	Т
yf12h10.r1 Soares tetal liver spieer incres round of	EST_HUMAN	R07008.1	8.00E-04	<b>.</b> ພິ່	14080	8979	2842	_
This is the same can be caused and IMAGE:126691 5'	7	X96469.1	8.00E-04	<u></u>		6599	1472	7
Y laavis mRNA for C4SR protein	NT -	L1010.1		0.8	15301	10226	5131	٦
3 Human retinoblastoma susceptibility gene exons 1-27, complete cds	EST_HUMAN	AW453046.1		1.0	11754	6580	1453	
UI-H-BW1-ama-e-03-0-UI.s1 NCI_CGAP_Sub7 Homo sapiens cDNA clone IMAGE: 3008300		040403	1.000	17.0	15181	10111	5009	
APOLIPOPROTEIN A-IV PRECURSOR (APO-AIV)	SWISSPROT	DARADO	.1_	6.2		9830	4718	П
PM0-HT0339-200400-010-D02 HT0339 Homo sapiens cDNA	DAMIN TOTAL	AIU/ 3403.		1.8	14921	9829	4717	
0v45c04.x1 Soares testis NHT Homo sapiens cDNA clone IMAGE:1640Z6Z 3	EST HUMAN			1.8	14920	9829	4717	
ov45c04.x1 Soares testis NHT Homo sapiens cDNA clone IMAGE:1840262 3	EST HIMAN			0.9	14776	9682	4564	
			1.000	3.6	14500	9499	4377	
project=TCBA Homo sapiens cDNA clone TCBAP4909	EST_HUMAN	BE246536.1	1 005-03	ນ ສ				
S.Cerevisias Silicines Breal acute lymphobiastic leukemia Baylor-HGSC	2	Z49649.1	1.00E-03	1.0	14091	8991	3855	П
₹.1	N		1.00E-03   U68061.1	0.8	13751	8638	3496	Т
Himan MiliC2 gene, promoter region	141		1.00E-03	0.8	13750	8638	3496	1
Hirman MUC2 gene, promoter region	NIT			1.2	13516	8409	3262	
LINE-1 REVERSE TRANSCRIPTASE HOMULUG	SWISSPROT					0303	3154	Γ
(SECRETED CARBONIC ANHYDRASE) (SALIVARY CARBONIC ANHYDRASE)	SWISSPROT	P18915	1 005-03	ى م	3	3		
(SECRETED CARBONIC ANHYDRASE) (SALIVARY CARBONIC ANHYDRASE)  CARBONIC ANHYDRASE VI PRECURSOR (CARBONATE DEHYDRATASE VI) (CA-VI)	SWISSPROT	P18915	1.00E-03	2.3	13411	8303	3154	
CARBONIC ANHYDRASE VI PRECURSOR (CARBONATE DEHYDRATASE VI) (CA-VI)	2	AB033117.1	1.00E-03	1.2	13208	8102	2951	П
Homo sopieme mBNA for KIAA1291 protein, partial cds				2.9	12428	7219	2108	
Lorge earliene SCI mane locus	A SOFT NO		_	1.3	12300	7097	1982	I
contains Alu repetitive element: HIGH MOI ECLIL AR WEIGHT FORM OF MYOSIN I (HMWMI)		16.1		1.5	11438	6285	1150	
wd86a01.x1 NCI_CGAP_Lu24 Homo saplens cDNA clone IMAGE:2338440 3' similar to		ALZ JCBCRIM	1.00=-03 /	1.4	11389	6237	1099	
woode10 x1 NCI CGAP Mei15 Homo sepiens cDNA clone IMAGE:2551242 3	EST LINAN			0.7	11368	6217	1079	
to TRIQ13825 Q13825 AU-BINDING PROTEIN/ENOYL-COA HYDRATASE.;				0.8	11120	5962	812	
to TR:Q13825 Q13825 AU-BINDING FIXO ELIVERY CONA Clone IMAGE:2334039 3' similar	EST HUMAN	AI720263.1	1.00E-03 A	0.8	11119	5962	812	
as70b08x1 Barstead colon HPLRB7 Homo septens cDNA done tMAGE:2334039 3' similar						_		1

EST_HUMAN   contains Alu repetitive element;		5.00E-04 AA548931.1	1.4	13617	8510	3367
EST HUMAN QV0-C10225-021099-030-807 C10225 Homo sapians curve	5.00E-04 AW851844.1 EST	5.00E-04	0.7		6612	1485
HYPOTHETICAL 29.3 KD PROTEIN (C		5.00E-04   O10341	2.0	10917	5794	635
Homo sapiens CCR8 chemokine receptor (CMKBRO) gene, compieus cus	J45983.1 NT	6.00E-04 U45983.	3.3	14301	9218	4092
	(01315.1 NT	6.00E-04 K01315.1	0.9	14213	9130	3999
Homo sapiens epsilon-1 pseudogene (lucritari) gene, o namenia region	(01315.1 INT	6.00E-04 K01315.1	9.0	14212	9130	3999
शक्ष	1	6.00E-04 AI862525.	1.3	14108	9013	3877
-						

V.carteri gene encoding volvoxopsin	TN	Y11204.1	3.00E-04	1.3		10152	Şo.
QV3-DT0045-221299-046-d09 DT0045 Homo sapiens cUNA	EST_HUMAN	3.00E-04 AW937723.1	3.00E-04	0.9	14988	9895	4784
PM0-HT0339-190200-007-g12 HT0339 Homo sapiens CUNA	EST HUMAN	3.00E-04 BE153778.1	3.00E-04	4.5		9823	4711
Homo sapiens transcription factor IGHM enhancer 3, JM11 protein, JM4 protein, JM5 protein, T54 protein, JM10 protein, A4 differentiation-dependent protein, triple LIM domain protein 6, and synaptophysin genes, complete cds; and L-type calcium channel a>	N <sub>1</sub>	AF196779.1	3.00E-04	1.1	14207	9123	3991
Homo sapiens Xq pseudoautosomai region; seguient 1/2	NI	3.00E-04 AJ271735.1	3.00E-04	1.2		9101	3969
GLUTAMATE DEHYDROGENASE 2 PRECURSOR (GUT)	SWISSPROT	P49448	3.00E-04 P49448	3.6	14113	9018	3882
	SWISSPROT	P25147	3.00€-04	3.4	13520	8414	3268
th23a02.x1 NCI_CGAP_Pr28 Homo sapiens CUNA Clone IMAGE::21190c2 3	EST_HUMAN	Al399874.1	3.00E-04	1.2		6929	1810
Human short chain acyl CoA denydrogenase gene, exons 1 and 2	3	U83991.1	3.00E-04	1.3	11171	6010	862
180 KD SECRETORY PHOSPHOLIPASE AZ RECEPTOR PRECURSOR (PLAZ-K)	SWISSPROT	P49259		0.8	10509	5382	188
DKFZp761J221_r1 761 (synonym: hamy2) Homo saplens cDNA clone DKFZp761J221 5'	EST_HUMAN	AL119426.1	3.00E-04	1.0	10474	5346	150
yy78b10.s1 Soares_multiple_sciencesis_2NbHMSP Homo sapiens cunA cione IMAGE:278643 3' similar to contains Alu repetitive element;	EST_HUMAN	N48313.1	4.00E-04	0.9	15302	10227	5132
	EST_HUMAN	4.00E-04 AA086324.1	4.00E-04	1.3	14653	9558	4437
nh10a10.a1 NCI_CGAP_Co1 Homo sapiens cDNA done IMAGE:951930 3 similar to gb:M21121 T-CELL SPECIFIC RANTES PROTEIN PRECURSOR (HUMAN):	EST_HUMAN	AA576331.1	4.00E-04	2.8	14433	9352	4228
nh10a10.s1 NCI_CGAP_Co1 Homo sapiens cDNA done IMAGE:951930 3: similar to gb:M21121 T-CELL SPECIFIC RANTES PROTEIN PRECURSOR (HUMAN);	EST_HUMAN	AA576331.1	4.00E-04	2.8	14432	9352	4228
52 KD RO PROTEIN (SJOGREN SYNURUME ITTE A ANTIGEN (SO-A)) (NO (SO-A))	SWISSPROT	P19474	4.00E-04	0.8	13254	81 <u>5</u> 2	3002
SERICIN-2 (SILK GUM PROTEIN 2)		096615		1.0	12880	7679	2586
DKFZp434D059_rl 434 (synonym: htes3) Homo saptens cDNA done DKFZp434D059 5'	EST_HUMAN	AL046704.1	4.00E-04	1.2		7198	2086
Homo sapiens chromosome 21 segment HS21C078	S	AL163278.2	4.00E-04	0.6	12355	7150	2037
RC3-CT0254-130100-023-101 CT0254 Homo sapiens cDNA	EST_HUMAN	AW753356.1		1.4	11750	6576	1449
	EST_HUMAN	A)720263.1	4.00E-04	0.5	11139	5978	.; 829
as70b08.x1 Barstead colon HPLRB7 Homo sapiens curva cione invasci. 23-4039 3 similiar to TR:Q13825 Q13825 AU-BINDING PROTEIN/ENOYL-COA HYDRATASE.;	EST_HUMAN	AI720263.1	4.00E-04	0.5	11138	5978	829
Haemophilus influenzae Rd section 63 of 163 of the complete genome	NT	U32748.1	4.00E-04	1.4	10942	5814	657
ontains Alu repetitive element;	EST_HUMAN	AA548931.1	5.00E-04	1.4	13617	8510	3367
QV0-CT0225-021099-030-807 CT0225 Homo sapiens culva	EST HUMAN	AW851844.1	5.00E-04	0.7		6612	1485
HYPOTHETICAL 29.3 KD PROTEIN (ORF82)	L	010341	5.00E-04	2.0	10917	5794	835
Homo sapiens CCR8 chemokine receptor (CMKBR8) gene, complete cos	L	U45983.1	6.00E-04	3.3	14301	9218	4092
	NT	K01315.1	6.00E-04	0.9	14213	9130	3999
Homo saplens epsilon-1 pseudogene (IGHEP1) gene, 5' flanking region	NT	K01315.1	6.00E-04 K01315.1	0.9	14212	9130	3998
w/15a11.x1 NCI_CGAP_KId12 Homo sapiens cDNA clone IMAGE:2402876 3*	EST_HUMAN	AI862525.1	6.00E-04 AI862525.1	1.3	14108	8913	3877

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280	1610	1610	1310	1098	1098	1059	750	4991	4946	4689	4569	4560	4051	3837	3417	3389	2958	2528	2136	1791	1169	1162	889	889	169
7691	6737	6737	6438	6236	6236	6198	5902	10094	10051	9801	9687	9887	9178	8973	8559	8532	8109	7624	7246	6911	6303	6297	6037	6037	5363
12895	11907	11906		11388	11387	11351	11048	15162	15122		14782	14781		14073	13670	13637	13215	12825					11196	11195	10489
. <u>.</u>	1.2	1.2	1.0	1.3	1.3	0.8	1.0	1.7	1.3	1.3	1.3	1.3	4.6	0.8	1.0	2.5	1.0	<del>1.</del> 5	1.3	0.5	0.7	1.4	1.5	1.5	1.2
1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00=-04	1.00E-04	1.00E-04	1.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00Ε-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04
AA714263.1	AF148805.1	1.00E-04 AF148805.1	U62918.1	1.00E-04 AW013847.1	AW013847.1	P11369	H99646.1	AB037997.1	Q99297	2.00E-04 U09226.1	_	_	U01029.1	AW978441.1	U34374.1	BE082317.1	AI124529.1	U66061.1	AA478980.1	AF224268.1	AL163203.2	AI286021.1	M86524.1		AF217796.1
EST_HUMAN	T	NT	NT	EST_HUMAN	EST_HUMAN	SWISSPROT	EST_HUMAN	NT	SWISSPROT	NT		EST HUMAN	NT ·	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	N <sub>T</sub>	EST_HUMAN	NT	NT	EST_HUMAN	NT	NT	NT
nv95a02.s1 NCI_CGAP_Pr16 Homo sapiens cDNA done IMAGE:1237514 similar to contains Au repetitive element;	Kaposi's sarcoma-associated herpesvirus ORF 68 gene, partial cds; and ORF 69, kaposin, v-FLIP, v-cyclin, latent nuclear antigen, ORF K14, v-GPCR, putative phosphoribosylformylglycinamidine synthase, and LAMP (LAMP) genes, complete cds	Kaposi's sarcoma-associated herpesvirus ORF 88 gene, partial cds; and ORF 69, kaposin, v-FLIP, v-cyclin, latent nuclear antigen, ORF K14, v-GPCR, putative phosphoribosylformylglycinamidine synthase, and LAMP (LAMP) genes, complete cds	Anguilla anguilla dopamine D1A1 receptor (d1A1) gene, complete cds	UI-H-BI0-aab-e-09-0-UI.s1 NCI_CGAP_Sub1 Homo sapiens cDNA clone IMAGE:2708825 3'	UI-H-BI0-aab-e-09-0-UI.s1 NCI_CGAP_Sub1 Homo sapiens cDNA clone IMAGE:2708825 3'	RETROVIRUS RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE]	yx26c09,s1 Soares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE:262864 3' similar to contains L1.t1 L1 repetitive element;	Danio rerio hagoromo gene, exons 1 to 6, partial cds	PUTATIVE MITOCHONDRIAL CARRIER YOR222W	Gallus gallus proteasome 28 kDa subunit homolog mRNA, complete cds		yu01e11.r1 Soares_pineal_gland_N3HPG Homo saplens cDNA clone IMAGE:232556 5'		EST390550 MAGE resequences, MAGP Homo saplens cDNA	Human tyrosine kinase TXK (txk) gene, exons 9 and 10	QV2-BT0636-070500-194-b07 BT0636 Homo saplens cDNA	am58c09.x1 Johnston frontal cortex Homo sapiens cDNA clone IMAGE:1539760 3'	Human gemiline T-cell receptor beta chain TCRBV17S1A1T, TCRBV2S1, TCRBV10S1P, TCRBV29S1P, TCRBV18S1P, TCRBV15S1, TCRBV11S1A1T, HVB relic, TCRBV28S1P, TCRBV34S1, TCRBV3S1, TCRBV3S1, TCRBV4S1A1T, TRY4, TRY5, TRY6, TRY7, TRY8, TCRB01, TCRBJ1S1, TCRBJ1S2,>	zu39b05.s1 Soares ovary tumor NbHOT Homo sapiens cDNA clone IMAGE:740337 3' similar to contains Aiu repetitive element;	Mus musculus 5' flanking region of Pitx3 gene	Homo saplens chromosome 21 segment HS21C003	_T_GBC	Human dystrophin gene	Human dystrophin gene	Homo saplens SCG10 like-protein, helicase-like protein NHL, M68, and ADP-ribosylation factor related protein 1 (ARFRP1) genes, complete cds

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254	1981	1981	5202	4344	4276	3475	3121	2686	1083	1039	555	555	344	344	4852	2920	846	804	3995	1589	683	5148	5033	5028	5028	4665	4362	3971	3675	3247	2000	2655	2600
7640	7096	7096	10293		9401	8616	8270	7773	6221	6179	5718	Г	5525	5525	9959	8071	5995	5955	9127	6715	5838	10243	10133	10129	10129	9777	9484	9103	8814	8394	Ì	Т	
12841	12299	12298		14555	14485	13728	13375	12972	11372	11332	10835	10834	10651	10650				11108	14210	11885	10971		15208	15204	15203	14874	14575	14186	13908	13501	12944	12943	12896
0.5	0.6	0.6	1.1	0.8	1.3	1.1	5.8	1.9	0.7	0.8	1:1	1:1	1.0	1.0	1.2	0.8	1.2	1.5	0.8	<b>±</b>	0.6	0.9	1.0	1.6	1.6	3.0	0.9	1.8	<b>±</b>	1.0	1.2	12	1.3
6.00E-05	6.00E-05	6.00E-05	7.00E-05	7.00E-05	7.00E-05	7.00E-05	7.00E-05	7.00E-05	7.00E-05	7.00E-05	7.00E-05	7.00E-05	7.00E-05	7.00E-05	8.00E-05	8.00E-05	8.00E-05	8.00E-05	9.00E-05	9.00E-05	9.00E-05	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.002-04	1.000-04	1.00E-04
Al655241.1	4885170 NT	4885170 NT	AA367612.1	U60980.1	AL163201.2	AL163303.2	AB009080.1	AL163278.2	T05902.1	Q22949	L49075.1	L49075.1	AW847445.1	AW847445.1	F28172.1	M83575.1	AJ251646.1	AJ251646.1	Al762209.1	AL043810.1	AA718933.1	Z72560.1	Al357156.1	7662015 NT	7662015 NT	015117	P08547	M14042.1	AI440282.1	Q62203	BE210033.1	BE218833.1	AA714263.1
EST_HUMAN	NT	TN	EST_HUMAN	NT	NT	NT	N	NT	EST_HUMAN	SWISSPROT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	EST_HUMAN	5 NT	5 NT	SWISSPROT	SWISSPROT	N	EST_HUMAN	SWISSPROT	ESI_HOMAN	EST_HUMAN	EST_HUMAN
wb54h06.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2309531 3' similar to gb:J03250 DNA TOPOISOMERASE I (HUMAN);	Homo sapiens chromosome X open reading frame 6 (CXORF6) mRNA	Homo sapiens chromosome X open reading frame 6 (CXORF6) mRNA	EST78713 Placenta I Homo sapiens cDNA	Caenorhabditis elegans Skp1p homolog mRNA, complete cds	Homo saplens chromosome 21 segment HS21C001	Homo saplens chromosome 21 segment HS21C103	Dictyostellum discoldeum gene for TRFA, complete cds	Homo sapiens chromosome 21 segment HS21C078	EST03791 Fetal brain, Stratagene (cat#936206) Homo saplens cDNA clone HFBDl36	PROBABLE GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE, MITOCHONDRIAL PRECURSOR (GPAT)	HUM072014F Human fovea cDNA Homo sapiens cDNA clone EST HFD072014	HUM072014F Human fovea cDNA Homo sapiens cDNA clone EST HFD072014	RC3-CT0208-220999-011-E04 CT0208 Homo sapiens cDNA	RC3-CT0208-220989-011-E04 CT0208 Homo saplens cDNA	HSPD16734 HM3 Homo sapiens cDNA clone s3000003H04	Human platelet-derived growth factor A chain (PDGFA) gene, exons only	Pisum sativum mRNA for beta-1,3 glucanase (gns2 gene)	Pisum sativum mRNA for beta-1,3 glucanase (gns2 gene)	wi54c11.x1 NCI_CGAP_Co16 Homo sapiens cDNA clone IMAGE:2394068 3' similar to contains MER6.t1 MER6 repetitive element;	DKFZp434A0128_r1 434 (synonym: htas3) Homo sapiens cDNA clone DKFZp434A0128 5	ah45c11.s1 Soares testis NHT Homo sapiens cDNA clone 1292468 3'	S.cerevisiae chromosome VII reading frame ORF YGL038c	gx62h04.x1 NCI_CGAP_GC4 Homo sapiens cDNA clone IMAGE:2005975 31	Homo sapiens KIAA0237 gene product (KIAA0237), mRNA	Homo sapiens KIAA0237 gene product (KIAA0237), mRNA	FYN-BINDING PROTEIN (SLP-76 ASSOCIATED PROTEIN) (SLAP-130)		Mouse alpha 1 type-IV collagen mRNA	tion that to the state of the s	2) (SF3A66)			nv95a02.s1 NCI_CGAP_Pr16 Homo saplens cDNA clone IMAGE:1237514 similar to contains Alu repetitive element;

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TOTAL COLUMN	131	AL 103202.2	1.005-05	0.6	12949	7951	2662	
Homo saplens chromosome 21 segment HS21C082	7	AJ131016.1		0.8	14985		4782	
Homo eaniane SCI dene locus	EST TOWARD	BE3784/1.1	2.00€-05	==		9706	4592	
contains MER18.b3 MER18 repetitive element;		A1263349.1		1.0	14723	9629	4510	
contigant x1 Soares NhHMPu S1 Homo sapiens cDNA clone IMAGE:1932374 3' similar to	EOI TOWN	ALU39107.1	2.00E-05	0.9		8874	3737	
DKEZDS68I064 r1 586 (synonym: hfkd2) Homo sapiens cDNA clone DKEZp566i064 5'	ECT LINAN	X80400.1	2.00E-05	6		8591	3449	
S cerevisiae 12.8 Kbp fragment of the left arm of chromosome XV	27	AL 163201.2		5.3	13610	8501	3358	
Homo saniens chromosome 21 segment HS21C007	12	1.11Z68X	_	Ξ	13582	8467	3323	
	2	AF184614.1		0.9	13559	8449	3304	- 1
Lorno eaplane n47-nhox (NCF1) gene, complete cds	1-	BEUGGUSG. I	1_	1.5	13353	8249	3098	-
RC3-RT0319-120200-014-h08 BT0319 Homo sapiens cDNA	EST HUMAN	AA160562.1		2.6		7768	2681	
zq46a12.r1 Stratagene hNT neuron (#937233) Homo sapiens cDNA cione in ASSE CONTROL Similar to contains Alu repetitive element; contains element L1 repetitive element :								
Hullian applicant account acco	2	M13792.1	2.00E-05	1.1	12834	7634	2538	1
to contains MER3.b2 MER3 repetitive element ;	EST_HUMAN	AI286021.1		0.6	12590	7382	2276	
element;  chose 11 x1 Soares NFL T GBC S1 Homo sapiens cDNA done IMAGE:1855052 3' similar	EST HUMAN	AI248061.1	3.00E-05	0.8	10948	5821	4731	
849458 3' similar to contains /								
observed Spares fetal liver spieen INFLS S1 Homo saplens cDNA clone	N	AF149//3.1	3.00E-05	0.9	14729	9638	4519	Т
Homo saniens NOD1 protein (NOD1) gene, exons 1, 2, and 3	EST HUMAN	AA368679.1		1.2	14578	9487	4365	Т
EST 70008 Placenta I Homo saplens cDNA similar to similar to p53-associated protein		AA368679.1	3.00E-05 /	1.2	14577	9487	4365	Т
ESTZOOGS Diaconta I Homo sapiens cDNA similar to similar to p53-associated protein	EST HUMAN	BE169211.1		6.9	14497	9 10 10	4285	Т
PM1-H 10521-120200-001-010 HT0521 Homo sapiens cDNA		BE169211.1		6.9	14496	6 2 2	4285	Т
SKELEMIN SKELEMIN	L	Q62234		0.9	12974	7775	2688	Т
x/24g03.x1 Soares NFC 1 GBC 311 VIII CERTIFICE CE		AW273851.1		1.4	11338	6183	1043	Т
element:	L	AI248061.1	3.00€-05 /	0.8	10949	5821	665	_
gh64c10.x1 Soares_lear_liver_speeir_int CC_0								
	NT	).2	1	7.1	14834	9738	4624	Т
Human renin (REN) gene, o' nanking region	NT		_	1.6	1	5	3778	Т
Homo saplens KIAA0851 gene (parual), A13 gene and E11 E11 E11	N			1.4		7307	335	Ţ
Homo saplens pardal SLC22A3 gene for extraneuronial monogening	NT	AJ251884.1	5.00E-05 A	3.0 	14125	9032	3807	
with appears in the second second in the second sec	N	AJ251058.1	5.00E-05 A	0.9	13082	7982	2831	1
Homo sapiens MEP1A gene, promoter region and exon 1		23691		0,6		6938	1819	Ţ
Homo sanians 22kDa peroxisomal membrane protein-like (LOC55895), mRNA	HOMAIN		5.00E-05 AW392086.1	5.2	11673	6509	1382	IJ
OVA STARRA 7A1199-0A0-h11 ST0234 Homo sapiens cDNA			6.00E-05 A	0.8	10947	5820	2783	
H.sapiens now-sorted Gillotticsonte of the state inhibitor gene, complete cds				0.9	12942	7741	2652	
H. saplens flow-soried Chromosome 6 Hindill (ranment, SC6pA28B10		Z84506.1	6.00E-05 Z	0.9	12941	7741	2652	ı
& Hindill froment SCR0A28B10								

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Homo sapiens chromosome 21 segment HS21C079		AL163279.2		1.0	15036	9947	\$
wi94c10.x1 NCL_CGAP_Bm25 Homo sapiens cDNA clone IMAGE:2432562 3' similar to contains element MER22 repetitive element :	EST HUMAN	1.86938IA	4.00E-06	1.6	14910	9814	4702
IL3-CT0214-150200-074-B03 CT0214 Homo sapiens cDNA	EST_HUMAN .	AW848295.1	4.00E-06	1.8	14052	8956	3819
yt94c11.s1 Soares_pineal_gland_N3HPG Homo sapiens cDNA clone IMAGE:231956 3' similar to contains LOR1 repetitive element;	EST_HUMAN	H92947.1	4.00E-06	0.9		8642	3500
Gallus gallus Dach2 protein (Dach2) mRNA, complete cds	NT	AF198349.1	4.00E-06	1.4	13278	8177	3025
UI-H-BI0-aat-f-05-0-UI.s1 NCI_CGAP_Sub1 Homo saplens cDNA clone IMAGE:2710425 3*	EST_HUMAN	AW015401.1	4.00E-08	1.2	12540	7326	2218
H.sapiens DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LMP7, TAP2, DOB, DQB2 and RING8, 9, 13 and 14 genes	NT	X87344.1	4.00E-06	2.4		645B	1329
tb33e09.x1 NCI_CGAP_HSC2 Homo sapiens cDNA clone IMAGE:2056168 3'	EST_HUMAN	Al334928.1	4.00E-06	1.8	11607	6446 0	1312
tb33e09.x1 NCI_CGAP_HSC2 Homo sapiens cDNA clone IMAGE:2058168 3*	EST_HUMAN	AI334928.1	4.00E-06	1.8	11606	6440	1312
xc59g12.x1 NCI_CGAP_Eso2 Homo sapiens cDNA clone IMAGE:2589574 3' similar to contains Alu repetitive element; contains element MER21 repetitive element;	EST_HUMAN	AW103354.1	4.00E-06	3.2	11137	5977	828
ya48c03.r1 Soares infant brain 1NIB Homo sapiens cDNA clone IMAGE:53254 5' similar to contains Alu repetitive element; contains L1 repetitive element ;	EST_HUMAN	R16267.1	4.00E-06	1.5	10912	5790	631
ox08e02.x1 Soares_fetal_liver_spiteen_1NFLS_S1 Homo sapiens cDNA cione IMAGE:1655738 3' similar to contains MER8.tz MER8 repetitive element;	EST_HUMAN	AI040099.1	6.00E-06	2.0	14860	9765	4653
OVARIAN ABUNDANT MESSAGE PROTEIN (OAM PROTEIN)	SWISSPROT	Q01456	6.00E-06	1.8	13169	8062	4647
QV3-BT0379-010300-105-d11 BT0379 Homo sapiens cDNA	EST_HUMAN	BE069189.1	6.00E-06	1.0	13868	8774	3635
QV3-BT0378-010300-105-d11 BT0378 Homo sapiens cDNA	EST_HUMAN	BE069189.1	6.00E-06	1.1	13139	8038	2887
EST99205 Thyroid Homo sapiens cDNA 5' end similar to EST containing L1 repeat	EST_HUMAN	AA385542.1	7.00E-06	0.9		8657	3516
qw16g09.x1 NCI_CGAP_Ut3 Homo sapiens cDNA clone IMAGE:1991286 3' similar to contains Alu repetitive element;	EST_HUMAN	Al368252.1	7.00E-06	6.7		7995	2844
Homo sapiens KIAA0555 gene product (KIAA0555), mRNA	7 NT	7662177	7.00E-06	1.2	11723	6548	1420
ab90f10.s1 Stratagene lung (#937210) Homo sapiens cDNA done IMAGE:854251 3' similar to contains MER20.t1 MER20 repetitive element :	EST_HUMAN	AA669729.1	7.00E-06	0.6		6108	983
RC3-CT0283-201199-011-h11 CT0283 Homo sapiens cDNA	EST_HUMAN	AW362539.1	8.00E-06	0.6	12783	7944	2483
Human alanine:glyoxylate aminotransferase (AGXT) gene, exons 1 and 2	NT	M61755.1	9.00E-06	2.9		8698	3559
qg11b08.x1 Soares_placenta_8to9weeks_2NbHP8to9W Homo saplens cDNA done	EST_HUMAN	Al218983.1	9.00E-06	3.7	13307	8208	3057
tt73a06.x1 NCI_CGAP_HSC3 Homo saplens cDNA clone IMAGE:2246386 3'	EST_HUMAN	AI583811.1	9.00€-06	2.4	12930	7726	2637
Homo saplens chromosome 21 segment HS21C046	NT	AL163246.2	1.00E-05	4.5	15071	9990	4882
xy49g11.x1 NCI_CGAP_Lu34.1 Homo saplens cDNA done IMAGE:2856548 3'	EST_HUMAN	AW419134.1	1.00E-05	2.2	14945	9853	4742
zw69g04.r1 Soares testis NHT Homo sapiens cDNA clone IMAGE:781494 5'	EST_HUMAN	AA431119.1	1.00E-05	2.0	14385	9306	4180
Homo saplens chromosome 21 segment HS21C003	T	AL163203.2	1.00E-05	1.1	14293	9209	4082
MOSAIC PROTEIN LGN	SWISSPROT	P81274	1.00E-05	9.2	14115	9022	3886
Drosophila melanogaster strain Lamto 120 Suppressor of Hairless (Su(H)) gene, partial cds	NT	AF088273.1	1.00E-05	1.7	13833	8738	3599
nq77g06.s1 NCI_CGAP_Pr22 Homo sapiens cDNA done IMAGE:1158394 3'	EST_HUMAN	1.00E-05 AA631101.1	1.00E-05	0.9	13493	8385	3238

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Homo saplens chromosome 21 segment HS21C085	NT.		1.005-06	4	18330	_	42/3	
	N N	U07561.1	1 205-06	<u>.</u>	14481		243	
		Ar lotolt.	1.000-00	1./	12262	7066	1949	
Homo sapiens p47-phox (NCF1) gene, complete cds	4	ACABARAA	1 000 00		12.01	Т	200	
Homo sapiens p47-phox (NCF1) gene, complete cds	NT.	1.00E-06 AF184614.1	1 00=-06	17	10061	Т	1000	
	SWISSPROT	P27625	1.00E-06	12		Т	1585	_
3' similar to contains Alu repetitive element;	EST_HUMAN	AA034141.1	1.00⋶-06	0.9	11850	6681	1554	
To Jan San Jan Illian spice 1 NEI S 1 Homo saplens cONA clone IMAGE:429982	EOI TOWN	AA034141.1	1.00⊑-06	0.9	11849	6681	1554	_
2/Uba12.51 Soares_letat_liver_spreatriver_c	TOT LINAN							
Homo sapiens cilidinosomo 2 i sogniom 1955 St Homo sapiens cDNA cione IMAGE:429982	Z	AL163278.2	1.00E-06	1.1	11803	6634	1507	_
MERCECITE OURTRON 24 Segment MS240078	SWISSPROT	P09125	1.00€-06	0.8	11738	6562	1435	_
TR:Q13538 Q13538 ORF2: FUNCTION UNKNOWN;	EST_HUMAN	AI206097.1	1.00E-06	1.0		6181	1041	
lgg28b09.x1 NCI_CGAP_Kid3 Homo sapiens cDNA clone IMAGE:1762361 3 similar to				68	10000	900	\$	_
Mus musculus D6MM5E protein (D6Mm5e) mKNA, complete cas	NT	AF084364.1	1.00E-06	0.6	100%	70 5	244	
MEMBER 5) (HIGH-AFFINITY SODIUM-DEPENDENT CARNITINE COTRANSPORTER)	SWISSPROT	076082	1.00E-06	0.7	10345	5240	3	
MUS ITUSCULUS BEING COORDING TO AND THE CARRIER FAMILY 22.	2	AB030896.1	2.00E-06	1.5	13938	8848	3710	_
5) 5)	EST_HUMAN	AA173518.1	2.00E-06	1.5	13930	8839	3700	
TANCE A Straingene graden rancer (#937219) Homo saplens cDNA done IMAGE:595232	SWISSPROI	P06719	2.00E-06 P06719	2.7	12817	7615	2519	
DISTIDINE TRICK OF THE PROTEIN PRECURSOR (KAHRP)	SWISSPROT	P04929	2.00≣-06	0.8	12724	7517	2418	_
CONTRIBUTE BIOLICI VOODBOTEIN PRECURSOR	EST TOWN	AI6/2136.1	2.00≿-06	1:1	12638	7428	2326	_
wa04a03.x1 NCI_CGAP_Kig11 riomo sapielis cuiva civia iliracenteriore o communicatione MER30 h MER30 repetitive element;	TOT LIMAN							
ENDONUCLEASE]	SWISSPROT	P21414	2.00E-06	2.3		6677	1550	
POI POI YPROTEIN ICONTAINS: PROTEASE; REVERSE TRANSCRIPTASE;		01000		-		9389	GR.	~
HOMEOBOX PROTEIN GOOSECOID	SWISSPROT	DEATER	_£		170		1	•
Homo saplens gene for alpha-1-microglobulir-bixulilii, axaris 1-0 (oncome or microglobulin, N-terminus.)	N	X54816.1	3.00E-06	<b>4</b> 3	14678	058	AARA	
- 1	EST_HUMAN	T50266.1	3.00E-06	0.9	14585	9498	4376	
vb78b10.r1 Stratagene ovary (#937217) Homo sapiens cDNA done IMAGE:77275 5 similar			0.001	1.3	13940	8	3/10	~
Ing64d12.x1 NCI_CGAP_HN13 Homo saplens cDNA clone IMAGE:3124151 3	EST HUMAN	3 00E-06 BE047094 1	30.00 E	3 6	3045	3 2	3/10	T
hq64d12.x1 NCI_CGAP_HN13 Homo sapiens curva cione inface: 3124 101 0	EST HUMAN	BE047094.1	1	2	13044		3746	7
TR:060734 O60734 LINE-1 LIKE PROTEIN contains £1.12 £1 repetitive element;	EST_HUMAN	AI857779.1	3.00€-06	2.1		8376	3228	
contains LTR1.t3 LTR1 repetitive element;	EST_HUMAN	AA868218.1	3.00E-06	1.0	13142	8042	2891	
ak48g11.s1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1409252 3 SITHIBI to			_		15701	i	1	7
	EST HUMAN	AA700562.1	3 00E-06	<u>.</u> د	12427	7338	2447	
3' similar to contains L1.11 L1 repetitive element :	EST_HUMAN	AA700562.1	3.00€-06	1.3	12436	7228	2117	
7:34b08 s1.Soares fetal liver spieen_INFLS_S1 Homo sapiens cDNA clone IMAGE:432663								1

			_				
Homo sapiens TRF2-interacting telomentc RAP1 protein (RAP1) mRNA, complete cds		AF262988.1	_	0.9	10339	5935	3 2
yc14h09.s1 Stratagene lung (#937210) Homo sapiens cDNA clone IMAGE:80705 3' similar to similar to gb:M62982 ARACHIDONATE 12-LIPOXYGENASE (HUMAN)	EST HUMAN	T57850.1	3.00E-07	1.5	15167	10099	4996
yc14h09.s1 Stratagene lung (#937210) Horno sapiens cDNA clone IMAGE:80705 3' similar to sb:M62982 ARACHIDONATE 12-LIPOXYGENASE (HUMAN)	EST_HUMAN	T57850.1	3.00€-07	1.5	15166	10099	4996
we86b12.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2347967 3	EST HUMAN	AI797236.1	3.00E-07	0.9	14861	9766	4654
	SWISSPROT	Q10364	3.00E-07	0.9	14576	9486	4364
Homo sapiens cyclooxygenase (COX-2) gene, promoter and exon 1	NT	AF044206.1	3.00E-07	2.4	14407	9321	4195
Homo sapiens cyclooxygenase (COX-2) gene, promoter and exon 1	NT	AF044206.1	3.00E-07	2.4	14406	. 9321	4195
HYPOTHETICAL 63.8 KD PROTEIN IN GUT1-RIM1 INTERGENIC REGION PRECURSOR	SWISSPROT	P38739	3.00E-07	1.8	13376	8271	3122
	EST_HUMAN	T84704.1	3.00E-07	0.9	13250	8150	2998
MR0-BN0115-020300-001-f11 BN0115 Homo sapiens cDNA	EST_HUMAN	BE005077.1	3.00E-07	6.2	12727	.7519	2420
MR0-BN0115-020300-001-f11 BN0115 Homo sapiens cDNA	EST_HUMAN	BE005077.1	3.00E-07	6.2	12726	7519	2420
Human polymorphic microsatellite DNA	NT.	M89149.1	3.00E-07	1.2	12558	7348	2242
nl56b09.s1 NCI_CGAP_Ov2 Homo sapiens cDNA clone IMAGE:880825 similar to contains Alu repetitive element;contains L1.t3 L1 repetitive element;	EST_HUMAN	AA526763.1	3.00€-07	1.0		7115	2000
Human IgK subgroup I germline gene, exons 1 and 2, V-region 018 aliele	4	M64857.1	3.00E-07	0.8		6735	1608
	3	M99149.1	_	0.8	11646	6480	1352
Homo sapiens Xq pseudoautosomal region; segment 1/2	NT	AJ271735.1	3.00€-07	0.8	10846	5729	568
Human microfibril-associated glycoprotein (MFAP2) gene, putative promoter region and alternatively spliced untranslated exons	N <sub>1</sub>	U19719.1	3.00€-07	1.7	10732	5601	434
ws84h05.x1 NCI_CGAP_Co3 Homo sapiens cDNA clone IMAGE:2504697 3	EST HUMAN	AW009602.1	4.00E-07	2.0	14140	9052	3918
Homo saptens NOD1 protein (NOD1) gene, exons 4 through 14 and complete cds	NT	AF149774.1	5.00E-07	1.4	14755	9666	4547
wh64f10.x1 NCI_CGAP_Kid11 Homo sapiens cDNA done IMAGE:2385547 3'	EST_HUMAN	AI831893.1	5.00E-07	0.9		8147	2995
	HUMAN	A1831893.1	5.00E-07	1.2		5506	323
HYPOTHETICAL 24.1 KD PROTEIN IN LEF4-P33 INTERGENIC REGION	SWISSPROT	P41479	6.00E-07	1.7		9027	3891
genes,>		AF019413.1	6.00E-07	0.9	12749	7541	2442
Homo saplens HLA class III region containing tenascin X (tenascin-X) gene, partial cds; cytochrome P450 21-hydroxylase (CYP21B), complement component C4 (C4B) G11, helicase (SKI2W), RD, complement factor B (Bf), and complement component C2 (C2)						'	
CM3-CT0277-221099-024-e11 CT0277 Homo sapiens cDNA	EST_HUMAN	AW855558.1	6.00E-07	0.9	12173	6988	1870
Homo sapiens membrane interleukin 1 receptor accessory protein (IL1RAP) gene, exons 10 and 11		AF167341.1	7.00E-07	0.9	12131	6941	1822
	EST_HUMAN	AI288596.1	8.00E-07	4.5	14869	9773	4661
ql82g07.x1 Soares_NhHMPu_S1 Homo sapiens cDNA done IMAGE:1878876.31	EST_HUMAN	AI288596.1	8.00E-07	4.5	14868	9773	4661
tz43d06.y1 NCI_CGAP_Bm52 Homo sapiens cDNA clone IMAGE:2291339 5'	EST_HUMAN	BE047871.1	8.00E-07	1.4		8640	3498
tz43d06.y1 NCI_CGAP_Bm52 Homo sapiens cDNA done IMAGE:2291339 5'	EST_HUMAN	BE047871.1	8.00E-07	0.9		6174	1034
Homo saplens glypican 3 (GPC3) gene, partial cds and flanking repeat regions	NT	AF003529.1		0.5	10667	5536	357
Homo saplens glypican 3 (GPC3) gene, partial cds and flanking repeat regions	NT	AF003529.1	9.00E-07	0.5	10666	5536	357
Homo saplens chromosome 21 segment HS21C085	NT	AL163285.2	1.00E-06	7.4	15221	10143	5043

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	0441001 1101	F23/23	4.000-00	7.7	12026	6847	177
	CMISSERVI	P25/23	4.00E-08		12025	1	1724
PLOCE ON PATTERNING TOLLOID PROTEIN PRECURSOR	SWISSEROT	Q062/8	5.00E-08	-1-	15341		5178
Alu repetitive element;	EST HUMAN	AA493851.1	5.00E-08	0.7	12513	7298	2189
nh03b09.s1 NCI_CGAP_Thy1 Homo sapiens cDNA clone IMAGE:943193 similar to contains			0.000	5	10412	0280	8/
Homo sapiens chromosome 21 segment HS21C103	3	AI 163303.2	200ED8	3 5	200	1076	4100
Homo saplens chromosome 21 segment HS21C048		AI 163248.2	SONE-DA		1221	3	1400
MRO-HT0166-191199-004-g09 HT0166 Homo saplens cDNA	EST_HUMAN	BE144398.1		0.6	12624	7415	3343
Homo sapiens chromosome 21 segment HS21C048	NT	AL163248.2	6.00E-08	1.0	11103	202	800
Homo sapiens chromosome 21 segment HSZ1CU48	NT	6.00E-08 AL163248.2	6.00E-08	1.0	11101	5951	800
DYNEIN HEAVY CHAIN (DYHC)	SWISSPROT	P15305		1.1	13773	8669	3528
DYNEIN HEAVY CHAIN (DYHC)	SWISSPROT	P15305	7.00E-08	1.1	13772	88	3528
Rat mRNA for ribosomal protein L31	NT	X04809.1	-	4.6	11634	2488 8488	1338
ANKYRIN 1 (ERYTHROCYTE ANKYRIN)	SWISSPROT	Q02357		1.1	10406	5279	73
wd16b05.x1 Soares NFL 1 GBC of Folio Sapielis Color Rolls III Color	EST_HUMAN	Al911352.1		0.9		7893	591
Homo sapiens chromosome 21 segment rioz i vooz		AL163282.2		1.3		622 <u>4</u>	266 266
GLYCOPROTEIN GPV	SWISSPROT	P09256	1.00E-07	0.6	11801	6632	2797
	NT	7549818 NT	1.00E-07	0.9	12709	7502	2403
		10000	_L	c.a	74-071	1434	2331
RETROVIRUS-RELATED GAG POLYPROTEIN (VERSION 1)	SWISSPROT	P10263		00	3843		1080
Homo sapiens chromosome 21 segment HS21C082	NT	AI 163282 2		3 -	10000	8020	ORIG
Homo saplens chromosome 21 segment HS21C101	TN	AL 163301.2		10	17358	3380	5400
to WP:C38H2.1 CE00923 PROBABLE RABGAP DOMAINS:	EST_HUMAN	AW070995.1		1.0	15256	10176	
	EST_HUMAN	AW070995.1	2.00E-07	1.0	15255	10176	_
Homo sapiens caveoun 1 (CAVI) gene, exon sapiens con a cione IMAGE:2567485 3' similar	NT	AF125348.1	2.00E-07	14.7	13866	8772	3633
HYPOTHETICAL 72.5 KD PROTEIN CZF7.10 IN CONCORDER	SWISSPROT	Q09701		0.7	11879	6708	1582
	SWISSPROT	Q26768		1.3	11435	6282	1147
contains L1 repetitive element :	EST_HUMAN	T63042.1	2.00⊑-07	1.2	11234	6076	929
Alu repetitive element:	EST_HUMAN	AA223260.1	2.00E-07	<u>:</u>	11233	6075	928
zr08b07.s1 Stratagene NTZ neuronal precursur sor zon norma septema con son contains IMAGE:650869 3' similar to gb:L31860 GLYCOPHORIN A PRECURSOR (HUMAN); contains							
	NT	AF003530.1	2.00E-07	0.6	11028	5885	731
Homo sapiens homeobox protein CDX4 (CDX4) gene, complete cds and flanking repeat		Al occoon.	2.00E-07	ç.ö	12011	9883	731
Homo sapiens homeobox protein CDX4 (CDX4) gene, complete cas and maining repower regions	21	VE003E30 1		3			
Fugu rubripes beta-cytopiasmic(vascular) acuit gene, cumples cas	NT	U38849.1		40.0	10494	S368	175
Homo sapiens DiGeorge syndrome chucai region, telolitetic erio		L77569.1	2.00⊑-07	1.6	10473	5342	148
Homo sapiens DiGeorge syndrome critical region, telomenciend	NT	L77569.1		1.6	10472	5344	44

Macaca mulatta homeobox protein putative pseudogene	NT	U89918.1	7.00E-09	2.6	14382	╗		_
protein, exon 2, 3	N,	D86842.1	7.00€-09	1.7		8694	3555	
Homo sapiens DNA for 3-ketoacyl-CoA thiolase beta-subunit of mitochondrial triunculonal						$\neg$		
	EST_HUMAN	8.00E-09   BE012076.1	8.00E-09	1.1		8586	3444	_
Homo sapiens chromosome 21 segment HSZ1CU/8		AL 163279.2	9.00E-09	3.0	14356		4149	_
Homo sapiens chromosome 21 segment no210079	Z	AL 163279.2	9.00E-09	3.0	14355	9275	4149	_
Homo sapiens chromosome 21 segment Hozarcov	3	AL163280.2	_	1.4	15350	,	5191	
project=TCBA Homo sapiens cDNA clone TCBAP5232	EST_HUMAN	BE246844.1	1.00E-08	1.2	13414	8304	3155	
TCBAP1D5232 Pediatric pre-B cell acute lymphoblastic leukernia Baylor-HGSC								Т
project=TCBA Homo sapiens cDNA clone TCBAP5232	EST_HUMAN	BE246844.1	1.00E-08	1,2	13413	8304	3155	_
TCBAP1D5232 Pediatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC					12,00		2007	т
HYPOTHETICAL 25.3 KD PROTEIN IN RIMI-PRFC INTERGENIC REGION	SWISSPROT	P33999		13	12799	7601	2504	T
PM2-HT0130-150999-001-f12 HT0130 Homo sapiens CDNA	EST_HUMAN	BE141959.1	1.00E-08			7119	2005	_
POL POLYPROTEIN [CONTAINS: REVERSE   RANSCRIP   ASE; ENCONCOLERSE]	SWISSPROT	P31792	1.00E-08	1.1	11789	7918	1493	_
	EST_HUMAN	AW572881.1	2.00E-08	2.9		9983	4876	
he 17h08 VO NCI CGAP CMI 1 Homo saniens cDNA done IMAGE: 2819327 3' similar to		70770070.	2.000	J.4		9429	4305	т
contains L1.12 L1 repetitive element;	EST HUMAN	A A 450040 1	3 005 08	s ·		3	200-	
Homo sapiens shox gene, alternatively spliced products, collipied was	N.T	U82668.1	2.00E-08	0.8	14201	9118	3986	
LEUCOCYTE ANTIGEN CUS/ PRECURSOR	SWISSPROT	P48960	2.00€-08	3.7	14093	8994	3858	_
RC3-ST0197-161099-012-003 ST0197 Homo sapiens CUNA	EST_HUMAN	AW813620.1		1.7		8920	3783	
	SWISSPROT	O42280	2.00E-08	6.0	13434	8320	3171	$\neg$
WNT-14 PROTEIN PRECURSOR	SWISSPROT	O42280	2.00E-08	6.0	13433	8320	3171	
Sheep His-IRNA-GUG	N.T	K00216.1		0.8		7593	2496	_1
contains L1.2 L1 repetitive element;	EST HUMAN	AW024364.1	2.00E-08	o.5	12672	7470	2368	
XP43H1 X1 NCI CGAP HN11 Homo septens colve clone IMAGE:2528462 3' similar to	EST_HUMAN	AW270271.1	2.00E-08	1.4		6930	1811	( T
Homo saplens oxytocin receptor (UX IX) mrxvx	1	4505538 NT	2.00E-08	0.9	11656	6491	1363	
Homo sapiens chromosome 21 segment HS21C047	NT	AL 163247.2	2.00E-08	0.7	11614	6448	1319	
601155321F1 NIH MGC 21 Homo sapiens cUNA cone IMAGE:3130093 3	EST_HUMAN	2.00E-08 BE280477.1	2.00E-08	13.0		6120	974	
MR0-OT0080-240200-001-g08 OT0080 Homo sapiens cUNA	EST_HUMAN	AW886438.1		3.7	10929	5803	2	- 1
	EST_HUMAN	AW886438.1	_	3.7	10928	5803	2	- 1
	NT	AF198349.1	_	0.5	10777	5653	48	
zw46f07.r1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:773317 5' similar to contains Alu repetitive element;contains element MER15 repetitive element;	EST_HUMAN	AA425598.1	2.00E-08	2.7		5416	223	1
x87f06.x1 NCI_CGAP_Lu26 Homo sapiens cUNA clone IMAGE:2/6/1393	EST_HUMAN	AW302996.1	2.00E-08 /	5.4		5393		
zq45d05.r1 Stratagene hNT neuron (#937233) Homo sapiens cDNA clone IMAGE:632649 5'	EST_HUMAN	AA191195.1	3.00E-08	7.2	15345	10276		
zq45d05.r1 Stratagene hNT neuron (#937233) Homo saplens cDNA clone IMAGE:632649 5'	EST_HUMAN	AA191195.1	3.00⋿-08 /	7.2	15344	10276	5184	
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1,1			74400114011	9.00E-10	ç.o	11300	24	Ļ
9876 14768 1.0 7.00E-09 D00649.1 NT 7218 1.1 6.00E-09 AL040439.1 EST_HUMAN PROTECTION PR	MRO-SN0040-050500-002-c07 SN0040 Homo saplens cDNA	FST HUMAN	AWR67740 1		4.6		Т	
9876   14768   1.0   7.00E-09   D00649.1   NT   T218   1.1   6.00E-09   AL040439.1   EST_HUMAN   POTA   14157   1.1   6.00E-09   AL040439.1   EST_HUMAN   POTA   15094   4.4   6.00E-09   BE169421.1   EST_HUMAN   POTA   15674   0.6   4.00E-09   BE169421.1   EST_HUMAN   POTA   16095   0.8   4.00E-09   AL163282.2   NT   POTA   12883   2.3   4.00E-09   AL163285.2   NT   POTA   12802   1.3   3.00E-09   BE222239.1   EST_HUMAN   POTA   12803   1.1   3.00E-09   BE222239.1   EST_HUMAN   POTA   12803   1.1   3.00E-09   BE222239.1   EST_HUMAN   POTA   12803   1.1   3.00E-09   AL163284.2   NT   POTA   12803   1.1   3.00E-09   AL163284.2   NT   POTA   12803   1.3   1.00E-09   AL163284.2   NT   POTA   1.00E-09   AL163289.1   NT   POTA   1.00E-09   AL163289.1   NT   POTA   1.00E-09   AL163289.1   NT   NT   NT   NT   NT   NT   NT   N	zh35b03.51 Soares_pinea_gianc_Natifice rioitio septetia control marcontains element MER22 repetitive element;	EST HUMAN	AA719297_1	1 005.09	<u>ب</u> د			
9676   14768   1.0   7.00E-09   D00649.1   NT   T218   1.1   6.00E-09   AL040439.1   EST_HUMAN   PO74   14157   1.1   6.00E-09   AL657940.1   EST_HUMAN   PO74   116594   4.4   6.00E-09   BE169421.1   EST_HUMAN   PO74   116594   1.1   5.00E-09   BE149264.1   EST_HUMAN   PO74   116595   0.8   4.00E-09   AL163285.2   NT   PO74   12632   2.3   4.00E-09   AL163285.2   NT   PO74   12632   1.3   3.00E-09   BE222239.1   EST_HUMAN   PO75   1.4   3.00E-09   AL163284.2   NT   PO75	(MLCK) [CONTAINS: TELOKIN]	SWISSPROT	P11799	1.00E-09	1.2			2948
9676   14768   1.0   7.00E-09   D00649.1   NT		NT	M28699.1	1.00E-09	3.3	13147		2899
9676   14768   1.0   7.00E-09   D00649.1   NT	Homo sapiens nucleoiar phosphopiotein bz3 (NEWI) iii www. complete ods	NT	M28699.1	1.00E-09	3.3	13146		2895
7218 14768 1.0 7.00E-09 D00649.1 NT  7218 1.1 6.00E-09 AL040439.1 EST_HUMAN 0.00T-10 115094 1.1 6.00E-09 BE169421.1 EST_HUMAN 0.00T-10 115094 1.1 5.00E-09 BE169421.1 EST_HUMAN 0.00T-10 115094 1.1 5.00E-09 BE149264.1 EST_HUMAN 0.00T-10 115094 1.1 5.00E-09 BE149264.1 EST_HUMAN 0.00T-10 115095 0.8 4.00E-09 AL163285.2 NT  7481 12683 2.3 4.00E-09 AL163285.2 NT  7481 12683 2.3 4.00E-09 AL163285.2 NT  7602 12802 1.3 3.00E-09 BE222239.1 EST_HUMAN 0.00T-10 115094 1.1 3.00E-09 BE222239.1 EST_HUMAN 0.00T-10 115094 1.1 3.00E-09 BE222239.1 EST_HUMAN 0.00T-10 115094 1.1 3.00E-09 BE222239.1 EST_HUMAN 0.00T-10 115094 1.1 3.00E-09 BE222239.1 EST_HUMAN 0.00T-10 115094 1.1 3.00E-09 BE222239.1 EST_HUMAN 0.00T-10 115094 1.1 3.00E-09 BE222239.1 EST_HUMAN 0.00T-10 115094 1.1 3.00E-09 BE222239.1 EST_HUMAN 0.00T-10 115094 1.1 3.00E-09 BE222239.1 EST_HUMAN 0.00T-10 115094 1.1 3.00E-09 BE222239.1 EST_HUMAN 0.00T-10 115094 1.1 3.00E-09 BE222239.1 EST_HUMAN 0.00T-10 115094 1.1 3.00E-09 BE222239.1 EST_HUMAN 0.00T-10 115094 1.1 3.00E-09 BE222239.1 EST_HUMAN 0.00T-10 115094 1.1 3.00E-09 BE222239.1 EST_HUMAN 0.00T-10 115094 1.1 3.00E-09 BE222239.1 EST_HUMAN 0.00E-09 BE222239.1 EST_HUMAN 0.0	In the state of th	T	U80017.1	1.00E-09	1.5	13112		2860
9676 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth page 17218 1.1 6.00E-09 AL040439.1 EST_HUMAN DKFZp434C0514_r1 434 (synonym: ht not saplens for enteric smooth page 17218 1.1 6.00E-09 AL040439.1 EST_HUMAN DKFZp434C0514_r1 434 (synonym: ht not saplens for enteric smooth page 17218 1.1 6.00E-09 AL040439.1 EST_HUMAN DKFZp434C0514_r1 434 (synonym: ht not saplens for enteric smooth page 17218 1.2 L1 repetitive element : some 1722 to contains L1.2 L1 repetitive element : some 1722 to contains L1.2 L1 repetitive element : some 17222-1200-014-ht 017052 to contains L1.2 L1 repetitive element : some 17222-1200-014-ht 017052 to contains L1.2 L1 repetitive element : some 17222-1200-014-ht 017052 to contains L1.2 L1 repetitive element : some 17222-1200-014-ht 017052 to contains L1.2 L1 repetitive element : some 17222-1200-014-ht 017052 to contains L1.2 L1 repetitive element : some 17222-1200-014-ht 017052 to contains L1.2 L1 repetitive element : some 17222-1200-014-ht 017052 to contains L1.2 L1 repetitive element : some 17222-1200-014-ht 017052 to contains L1.2 L1 repetitive element : some 17222-1200-014-ht 017052 to contains L1.2 L1 repetitive element : some 17222-1200-014-ht 017052 to contains MER18.13 MER18 repetitive element : some 17222-1200-014-ht 017052 to contains MER18.13 MER18 repetitive element : some 17222-1200-014-ht 017052 to contains MER18.13 MER18 repetitive element : some 17222-1200-014-ht 017052 to contains MER18.13 MER18 repetitive element : some 17222-1200-014-ht 017052 to contains MER18.13 MER18 repetitive element : some 17222-1200-014-ht 017052-1200-014-ht 017052-1200-0	Homo sapiens basic transcription factor 2 p44 (btf2p44) gene, partial cds, neuronal apoptosis inhibitory protein (naio) and survival motor neuron protein (smn) genes, complete cds							
9676 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth 7218 1.1 6.00E-09 AL040439.1 EST_HUMAN DKFZp434C0514_1 434 (synonym: ht 170713 15094 4.4 6.00E-09 AA557940,1 EST_HUMAN DITTAIT.51 NCI_CGAP_HSC1 Homo s 19074 14157 1.1 6.00E-09 BE169421.1 EST_HUMAN DA17115227-169200-010-17-05 HT0252-169200-010-17-05 HT0252-17-05-1	qy64611.x1 NCI_CGAP_Bm25 Homo sapiens curva cione invasci	EST_HUMAN	AI356086.1		0.9			2453
9876 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth 7218 1.1 6.00E-09 AL040439.1 EST_HUMAN DKFZp434C0514_r1 434 (synonym: ht 7218 14157 1.1 6.00E-09 AL557940.1 EST_HUMAN D17311.s1 NC]_CGAP_HSC1 Homo s 9974 14157 1.1 6.00E-09 BE169421.1 EST_HUMAN D01327-180200-0014-h01 H70257-180200-0014-h01 H70257-1	Homo sapiens 959 kb contig between AML1 and CBR1 on chromosome 21q22; segment 1/3	NT	AJ229041.1		1.0			1616
9876 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth 7218 1.1 6.00E-09 AL040439.1 EST_HUMAN 7218 1.1 6.00E-09 AL040439.1 EST_HUMAN 7218.1 NCI_CGAP_HSC1 Homo 19074 14157 1.1 6.00E-09 BE169421.1 EST_HUMAN 7217-160200-001-h05 HT062 6521 11689 1.1 5.00E-09 BE169421.1 EST_HUMAN 7217-160200-001-h05 HT062 6521 11689 1.1 5.00E-09 BE169421.1 EST_HUMAN 7225-120200-01-h05 HT062 6521 11689 1.1 5.00E-09 BE169421.1 EST_HUMAN 7225-120200-01-h05 HT062 6521 11689 1.1 5.00E-09 BE149264.1 EST_HUMAN 7225-120200-01-h05 HT062 6095 0.8 4.00E-09 AL163285.2 NT HOMAN 7225-120200-01-h05 HT062 1 segment chromosome 21	Homo sapiens CCAA1-pox-omainy danscriptor lacker (CF. 2/	N	5031624	1.00E-09	0.9	11383	6231	1093
9676 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth 7218 1.1 6.00E-09 AL040439.1 EST_HUMAN DKFZp434C0514_r1 434 (synonym: h 7218 1.1 6.00E-09 AL657940.1 EST_HUMAN Ontains L1.12 L1 repetitive element : 10013 15094 4.4 6.00E-09 BE169421.1 EST_HUMAN Ontains L1.12 L1 repetitive element : 6574 1.6 0.6 4.00E-09 BE149264.1 EST_HUMAN PM1-HT0527-160200-001-h05 HT052	Homo sapiens CCAA1-pox-bitaling transcription (according to the Company) may a	N	5031624	1.00E-09	0.9	11382	6231	1093
9676   14768   1.0   7.00E-09   D00649.1   NT	258.1 KDA PROTEIN CZ1ORF5 (KIAAU933)	SWISSPROT		II	0.8	12591	7384	2278
9876 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth pages of the content of	DKFZp761B1710_r1 761 (synonym: hamy2) Homo saplens cDNA clone DKFZp761B1710 5	EST_HUMAN	AL118573.1		3.8		6763	1637
9876 14768 1.0 7.00E-09 D00649.1 NT Homo seplens gene for enteric smoots 7218 1.1 6.00E-09 AL040439.1 EST_HUMAN DKFZp434C0514_r1 434 (synonym: h 7218 1.1 6.00E-09 AL040439.1 EST_HUMAN DKFZp434C0514_r1 434 (synonym: h 7218 1.1 6.00E-09 AL040439.1 EST_HUMAN DKFZp434C0514_r1 434 (synonym: h 7218 1.1 6.00E-09 AL0557940.1 EST_HUMAN DCNIalns L1.2 L1 repetitive element; 7228 1.1689 1.1 5.00E-09 BE169421.1 EST_HUMAN DCNIAlns L1.2 L1 repetitive element; 7229 1.1689 1.1 5.00E-09 BE149264.1 EST_HUMAN DCNIAlns L1.2 L1 repetitive element; 7220 1.1689 1.1 5.00E-09 BE149264.1 EST_HUMAN DCNIAlns L1.2 L1 repetitive element; 7221 11689 1.1 5.00E-09 BE149264.1 EST_HUMAN DCNIAlns L1.2 L1 repetitive element; 7222 1.1680 1.1 3.00E-09 BE149264.1 EST_HUMAN DCNIAlns DETERIS driomosome 21 segmints  Homo sapiens chromosome 21 segment noz i cuon	NT	AL163284.2		1.8	11527	6366	1237	
9676 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth contains 1.1 6.00E-09 AL040439.1 EST_HUMAN DKFZp434C0514_r1 434 (synonym: h 1.1 6.00E-09 AL040439.1 EST_HUMAN contains L1.12 L1 repetitive element; 1.0013 15094 4.4 6.00E-09 BE149264.1 EST_HUMAN C2-HT0252-120200-014-h10 HT0252 11689 1.1 5.00E-09 BE149264.1 EST_HUMAN RC2-HT0252-120200-014-h10 HT0252 11689 1.1 5.00E-09 BE149264.1 EST_HUMAN RC2-HT0252-120200-014-h10 HT0252 11689 1.1 5.00E-09 AL163285.2 NT Homo saplens chromosome 21 segmin Hom	H.saplens PADPRP-I gene for NAU(+) AUP-nbosymansierase	NT	X16674.1		0.9		5946	795
9676 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth 7218 1.1 6.00E-09 AL040439.1 EST_HUMAN DKFZp434C0514_r1 434 (synonym: h 7218 1.1 6.00E-09 AL040439.1 EST_HUMAN Contains L1.2 L1 repetitive element; 9074 14157 1.1 6.00E-09 BE169421.1 EST_HUMAN COntains L1.2 L1 repetitive element; 10013 15094 4.4 6.00E-09 BE169421.1 EST_HUMAN RC2-HT0252-180200-001-h05 HT052 11889 1.1 5.00E-09 BE149264.1 EST_HUMAN RC2-HT0252-120200-014-h10 HT025 11889 1.1 5.00E-09 BE149264.1 EST_HUMAN RC2-HT0252-120200-014-h10 HT025 12803 2.3 4.00E-09 AL163285.2 NT Homo saplens chromosome 21 segming the segming segming contains MER18.13 MER18 repetitive segming segmin	258.1 KDA PROTEIN C210RF5 (KIAAU933)	SWISSPROT	Q9Y3R5		1.5	14620	9531	4
9676 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth process. Homos spiens gene for enteric smooth process. Homos gene gene for enteric smooth process. Homos gene gene gene gene gene gene gene gen	Homo sapiens eukaryotic initiation factor 4AI (EIF4AI) gene, paruai cus	NT	AF175325.1	-	3.2	14540	9452	4329
9876 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth region of the content o		EST_HUMAN	BE222239.1		<u>.</u>	13540	8432	3287
9876 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth process. Homos saplens general for enteric smooth process. Homos saplens general for enteric smooth process. Homos saplens general for enteric smooth process. Homos saplens general for enteric smooth process. Homos saplens general for enteric smooth process. Homos saplens general for enteric smooth process. Homos saplens general for enteric smooth process. Homos saplens general for enteric smooth process. Homos saplens general for enteric smooth process. Homos saplens general for enteric smooth process. Homos saplens general for enteric smooth process. Homo		SWISSPROT	P23249		1.1	12903	7702	2614
9876 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth process. Homo saplens gene for enteric smooth process. Homo saplens gene for enteric smooth process. Homo saplens gene for enteric smooth process. Homo saplens gene for enteric smooth process. Homo saplens gene for enteric smooth process. Homo saplens gene for enteric smooth process. Homo saplens gene for enteric smooth process. Homo saplens chromosm. homo saplens chromosome 21 segments. Homo saplens chromosome 21 s		EST_HUMAN	BE222239.1		1.3	12802	7602	2506
9876 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth process. Homo saplens gene for enteric sm		EST_HUMAN	BE222239.1		1.4	12614	7406	2303
9876 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth DKFZp434C0514_r1 434 (synonym: h 1.1 6.00E-09 AL040439.1 EST_HUMAN PM1-HT0527-160200-001-h05 HT052 HUMAN PM1-HT0527-160200-001-h05 HT052 HUMAN PM1-HT0527-120200-014-h10 HT0252-120200-014-h10 HT0252 NT Homo saplens chromosome 21 segment			AA350878.1		2.3	12683	7481	2379
9876 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth 7218 1.1 6.00E-09 AL040439.1 EST_HUMAN DKFZp434C0514_r1 434 (synonym: h 9074 14157 1.1 6.00E-09 AA557940.1 EST_HUMAN contains L1:Z L1 repetitive element; 10013 15094 4.4 6.00E-09 BE169421.1 EST_HUMAN PM1-HT0527-160200-001-h05 HT052 6521 11689 1.1 5.00E-09 BE149264.1 EST_HUMAN RC2-HT0252-120200-014-h10 HT025 5674 0.6 4.00E-09 AL163282.2 NT Homo saplens chromosome 21 segm.	EST58385 Infant brain Homo sapiens cDNA 5' end similar to similar to heat shock protein, SU						333	949
9876 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth of the content of the c	Homo sapiens chromosome 21 segment HS21C085	NT			0.8		202	210
9876 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth of the content of the c	Homo sapiens chromosome 21 segment HS21C082	NT		4.00E-09 /	0.6		5874	510
9876 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth DKFZp434C0514_r1 434 (synonym: h 7.218 1.1 6.00E-09 AL040439.1 EST_HUMAN PM1-HT0527-160200-001-h05 HT052 HUMAN PM1-HT052 HUMAN PM1-HD052	RC2-HT0252-120200-014-h10 HT0252 Homo sapisns cUNA			5.00€-09	1.1	11689	6521	1394
9676 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth DKFZp434C0514_r1 434 (synonym: h 1.1 6.00E-09 AL040439.1 EST_HUMAN Onniains L1.12 L1 repetitive element: 9074 14157 1.1 6.00E-09 AA657940.1 EST_HUMAN Contains L1.12 L1 repetitive element:				6.00E-09	4.4	15094	1 1 2 3	4906
9676 14768 1.0 7.00E-09 D00648.1 NT Homo saplens gene for enteric smooth process. Homo saplens gene for enteric sm	n117a11.s1 NC_CGAP_HSC1 Homo sapiens curva cione invasce: introcer similiar contains L1.12 L1 repetitive element;				<u>:</u>	14157	9074	3941
9676 14768 1.0 7.00E-09 D00649.1 NT Homo saplens gene for enteric smooth					<u>.</u>		7218	2107
	Homo sapiens gene for enteric smooth muscle gamma-actin, exon 2, 3			7.00E-09 [	1.0	14768	9676	4558

DKFZp434N1317_f1 434 (synonym: hlæs3) Homo saplens cDNA clone DKFZp434N1317 5'	EST_HUMAN	1.00E-10 AL041685.1	1.00E-10	0.9		8636	3770
QV2-TT0003-161199-013-g10 TT0003 Homo sapiens cDNA	EST_HUMAN	AW832912.1	1.00E-10	0.9	13710	8597	3456
		AW852001.1	1.00E-10	0.9		7633	2537
MR0-SN0038-290300-001-f01 SN0038 Homo sapiens cDNA	EST HUMAN	1.00E-10 AW867767.1	1.00E-10	1.3		6819	1492
Homo sapiens basic transcription factor 2 p44 (btf2p44) gene, partial cds, neuronal apoptosis inhibitory protein (naip) and survival motor neuron protein (smn) genes, complete cds	NT	U80017.1	2.00E-10 U80017.1	2.1		6973	, 1855
MAJOR CENTROMERE AUTOANTIGEN B (CENTROMERE PROTEIN B) (CENP-B)	SWISSPROT	P48988	2.00E-10	1.4	10347	5241	32
MAJOR CENTROMERE AUTOANTIGEN B (CENTROMERE PROTEIN B) (CENP-B)	SWISSPROT	P48988	2.00E-10 P48988	1.4	10346	5241	32
Homo sapiens chromosome 21 segment HS21C003	Ŋ	AL163203.2	3.00E-10	1.1	14650	9556	4435
Homo sapiens chromosome 21 segment HS21C003	NT	AL163203.2	3.00E-10	1.1	14649	9556	4435
yy32f06.s1 Soares melanocyte 2NbHM Homo sapiens cDNA Gone IMAGE:272963 3' similar to contains L1.t1 L1 repetitive element :	EST_HUMAN	N36113.1	3.00E-10	0.6	11200	6044	- 897
	EST_HUMAN	H01109.1	4.00E-10	11	13498	8391	3244
Homo sapiens chromosome 21 segment HS21C103	NT	AL163303.2	4.00E-10	2.2	12824	7623	2527
hg58g03.x1 NCI_CGAP_GC6 Homo saplens cDNA clone IMAGE:2949844 3 similar to contains Alu repetitive element;	EST_HUMAN	AW594709.1	4.00E-10	1.4	12264	7068	1951
qg09f09.x1 Soares_placenta_8to9weeks_2NbHP8to9W Homo sapiens cDNA clone IMAGE:1759049 3' similar to contains LTR8.b2 LTR8 repetitive element;	EST HUMAN	AI221083.1	4.00E-10	3.0		5309	106
HYPOTHETICAL GENE 48 PROTEIN	SWISSPROT	Q01033	5.00E-10	1.5	13684	8572	3430
DKFZp434N219_r1 434 (synonym: htes3) Homo sapiens cDNA done DKFZp434N219 5'	EST_HUMAN	AL046804.1	5.00E-10	1.5		5897	744
RC3-CT0254-031089-012-g12 CT0254 Homo sapiens cDNA	EST_HUMAN	6.00E-10 AW853719.1	6.00E-10	2.5		9748	4834
tt02d07.x1 NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE:2095021 3'	EST_HUMAN	6.00E-10 AI424405.1	6.00E-10	0.5	12934	7733	2644
Homo sapiens ASCL3 gene, CEGP1 gene, C11orf14 gene, C11orf15 gene, C11orf16 gene and C11orf17 gene	NT	6.00E-10 AJ400877.1	6.00E-10	1.0	11198	6043	895
H.saplens DHFR gene, exon 3	NT	X00856.1	7.00E-10	2.7	13300	8200	3049
LINE-1 REVERSE TRANSCRIPTASE HOMOLOG	SWISSPROT	P08547	7.00E-10	6.1		7608	2512
LINE-1 REVERSE TRANSCRIPTASE HOMOLOG	SWISSPROT	P08548	7.00E-10	1.0		7089	1974
	SWISSPROT	Q13342	7.00E-10	0.7	11903	6732	1605
Homo saplens TPA inducible protein (LOC51586), mRNA	NT	7706225 NT	7.00E-10	4.2	10977	5841	686
Homo sapiens TPA inducible protein (LOC51586), mRNA	NT	7706225 NT	7.00E-10	4.2	10976	5841	686
EST89564 Small Intestine I Homo sapiens cDNA 5' end	EST_HUMAN	AA376832.1	8.00E-10	2.8	14314	9232	4106
QV1-BT0631-150200-071-101 BT0631 Homo sapiens cDNA	EST_HUMAN.	BE080748.1	8.00E-10	0.9	13554	8446	3300
Homo sapiens MCM4 (MCM4) and DNA-PKcs (PRKDC) genes, partial cds	NT	U63630.2	8.00E-10	3.2	10467	5337	141
3' similar to SW:RL29_HUMAN P47914 60S RIBOSOMAL PROTEIN L29 :contains element PTR5 repetitive element ;	EST_HUMAN	AI870071.1	9.00E-10	6.0	13064	7955	2803
Tabona vi Scarge Dischargets colon NHCD Homo spriens cONA clone (MAGE:2347253)							

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&	4179	1476	4518	1380	4135	3320	11	406	406	1431	3957	3881	3078	4400	3337	3337	2057	2057	261	5145	4079	4042	4036	4036	3933
609	9305	6603					5219	5574	5574	6558	0606	9017	8229	9521	8481	8481	7169	7169	5448	10240	9206	9170	9164	9164	9067
11248		11777	14728		14343	10320	10320	10713	10712	11734	14173	14112		14611	13597	13596	12376	12375	10574			14256	14249	14248	
0.5	1.5	0.8	1.4	1.4	1.5	1.5	0.9	1.8	1.8	8.0	4.0	0.8	10.0	1.1	2.3	2.3	2.0	2.0	1.2	0.9	2.1	2.3	<b>.</b> 4.	4.5	5.4
2.00E-11	3.00E-11	3.00E-11	4.00E-11	4.00E-11	5.00E-11	5.00E-11	5.00E-11	6.00E-11	6.00E-11	7.00E-11	8.00E-11	8.00E-11	8.00E-11	9.00E-11	9.00E-11	9.00E-11	9.00E-11	9.00E-11	9.00E-11	1.00E-10	1.00E-10	1.00E-10	1.00E-10	1.00E-10	1.00E-10
AI150502.1	AA309248.1	6679077	D44666.1	AA436042.1	P48034	AL163283.2	AL163283.2	M55270.1	M55270.1	AA330642.1	N23712.1	AI478617.1	H19971.1	AA775985.1	AL134395.1	AL134395.1	AL134395.1	AL134395.1	BE145600.1	X87344.1	1.00E-10 M30629.1	1.00E-10 AB031069.1	1.00E-10 U52111.2	1.00E-10 U52111.2	AF213884.1
EST_HUMAN	EST_HUMAN	+	EST_HUMAN	EST_HUMAN	SWISSPROT	NT	NT	3	S	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN		EST HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	N	NT	NI	N	4	NT
qr3dc04,x1 Soares_resus_ NH i Homo sapiens curva conte invase: (102 102 3 similiar contains MER10.t3 MER10 repetitive element;	EST180120 Liver, hepatocellular carcinoma Homo sapiens CUNA 5' end	Mus musculus expressed in non-metastatic cells 2, protein (NM23B) (Nme2), mKNA	HUMSUPY069 Human brain cDNA Homo sapiens cDNA clone 069	zu01b12.r1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:730559 5	ALDEHYDE OXIDASE	Homo sapiens chromosome 21 segment HS21C083		Human matrix Gla protein (MGP) gene, complete cds	Human matrix Gia protein (MGP) gene, complete cds	EST34392 Embryo, 6 week I Homo sapiens cDNA 5' end	yw46e06.s1 Weizmann Olfactory Epithelium Homo sapiens cDNA clone IMAGE:255298 3'	tm54c09.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:2161936 3"	yn53f11.s1 Soares aduit brain N2b5HB55Y Homo sapiens cDNA clone IMAGE:172173 3' similar to contains L1 repetitive element;	ae78f01.s1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:970297 3	_	DKFZp547D225_r1 547 (synonym: hfbr1) Homo sapiens cDNA clone DKFZp547D225 5'	DKFZp547D225_r1 547 (synonym: hfbr1) Homo sapiens cDNA clone DKFZp547D225 5'	DKFZp547D225_r1 547 (synonym: hfbr1) Homo sapiens cDNA clone DKFZp547D225 5'	II.2-HT0203-291099-016-c08 HT0203 Homo sapiens cDNA	H.sapiens DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LMP7, TAP2, DOB, DQB2 and RING8, 9, 13 and 14 genes	Human pregnancy-specific glycoprotein beta-1 (SP1) mRNA, last exon	Homo sapiens PCCX1 mRNA for protein containing CXXC domain 1, complete cds	Homo sapiens X28 region near ALD locus containing dual specificity phosphatase 9 (DUSP9), ribosomal protein L18a (RPL18a), Ca2+/Calmodulin-dependent protein kinase I (CAMKI), creatine transporter (CRTR), CDM protein (CDM), adrenoleukodystrophy protein >	Homo sapiens X28 region near ALD locus containing dual specificity phosphatase 9 (DUSP9), ribosomal protein L18a (RPL18a), Ca2+/Calmodulin-dependent protein kinase I (CAMKI), creatine transporter (CRTR), CDM protein (CDM), adrenoleukodystrophy protein >	Homo saplens nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 (NFKB1) gene, complete cds

		5	<sub>ω</sub>	ω		4.		2	y.	ω <sub></sub>	ω	2		إ		1		4	4	4	ω	ų	အ	2	-1	1			_
245	244	5171 1				4252	4562	2922			$\Box$		1838	1483	1249	1189		4961 1	4851	4501	3452	3284	3160		1600	1596	1598		1168
5433	5433	10265	8805	8488	6167	9377	9580	8073	8935	8935	8595	7191	6957	610	6378	6331	5816	10064	9958	9621	8593	8429	8309	7821	6727	6722	6722	6302	6302
10559	10559		13899	13602	11322	14457	14773	13181	14029	14028	13706	12394			11537	11486	10944	15136				13537	13421	13025	11897	11892	11891	11459	11458
1.2	1.2	0.8	5.9	1.2	1.0	7.9	2.8	0.8	27.7	27.7	1.3	1.1	1.2	0.7	1.6	0.9	1.2	1.3	5.5	1.0	1.0	0.9	4.2	1.1	1.0	1.4	1.4	1.2	1.2
4.00E-12	4.00E-12	5.00E-12	5.00E-12	5.00E-12	5.00E-12	6.00E-12	7.00E-12	9.00E-12 P20742	1.00E-11	1.00E-11		1.00E-11	1.00E-11	1.00E-11	1.00E-11	1.00E-11	1.00E-11	2.00E-11	2.00E-11	2.00E-11	2.00E-11	2.00E-11	_		2.00E-11	2.00E-11			2.00E-11
AA700326.1	AA700326.1	AA720661.1	AJ271736.1	BE047779.1	T06573.1	AA732516.1	Q05904	P20742	AB001523.1	1.00E-11 AB001523.1	BE004315.1	AF000573.1	AB030947.1	AF119914.1	AA489871.1	AL163279.2	AJ131016.1	AA307331.1	BE062558.1	AL163227.2	AF020503.1	AI478617.1	P10263	AF087913.1	AI126371.1	L17432.1	L17432.1	R24807.1	R24807.1
EST_HUMAN	EST_HUMAN	EST HUMAN	NT.	EST_HUMAN	EST_HUMAN	EST_HUMAN	SWISSPROT	SWISSPROT	NT	NT	EST_HUMAN	NT	NT	NT	EST_HUMAN	N	N.T	EST_HUMAN	EST HUMAN		4	EST_HUMAN	SWISSPROT	NT	EST_HUMAN	. TIN	NT	EST_HUMAN	EST_HUMAN
zj74g11.s1 Soares_fetal_liver_spieen_1NFLS_S1 Homo sapiens culva cione image://apuo/o	_		Homo sapiens Xq pseudoautosomal region; segment 2/2	7242b05.y1 NCI_CGAP_Bm52 Homo sapiens cDNA clone IMAGE:2291217 5	EST04462 Fetal brain, Stratagene (cat#936208) Homo sapiens cDNA done HFBDV33	contains Alu repetitive element;	34 KD SPICULE MATRIX PROTEIN PRECURSOR (LSM34)	PREGNANCY ZONE PROTEIN PRECURSOR	Homo sapiens gene for TMEM1 and PWP2,complete and partial cds	Homo sapiens gene for TMEM1 and PWP2, complete and partial cds		Homo sapiens homogentisate 1,2-dloxygenase gene, complete cds	Rattus norvegicus mRNA for high-affinity choline transporter CHT1, complete cds	Homo sapiens PRO3078 mRNA, complete cds	ab01b12.r1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:839519 5 similar to contains OFR.t2 MER10 repetitive element;	Homo saplens chromosome 21 segment HS21C079	Homo sapiens SCL gene locus	alpha-2-macroglobulin	:   🔻	.13			RETROVIRUS-RELATED GAG POLYPROTEIN (VERSION 1)	Human endogenous retrovirus HERV-P-T47D	qc51c10.x1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA done IMAGE:1713138 31 similar to gb:L02932 PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR ALPHA (HUMAN);contains L1.t1 L1 repetitive element;	Gallus gallus mo-globin, beta-H globin, beta-A globin, epsilon-globin, and offactory receptor- like protein COR3'beta (COR3'beta) genes, complete cds	Gallus gallus mo-globin, beta-H globin, beta-A globin, epsilon-globin, and offactory receptor- like protein COR3'beta (COR3'beta) genes, complete cds	yg43e12.r1 Soares infant brain 1NIB Homo sapiens cDNA clone IMAGE:35144 5'	yg43e12.r1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:35144 5'

FATTY ACYL-COA HYDROLASE PRECURSOR, MEDIUM CHAIN (THIOESTERASE B)

Home saniens hypothetical protein FU20585 (FU20585), mRNA	3	8923548 NT	8 00F-14	3	15280		
	NT	8923548 NT	8.00E-14	1.0	15288	_1	5114
	EST HUMAN	T90961.1	6.00E-14	1.0	15053	9968	4861
Gene, exon 5	NT	AF020503.1	6.00E-14	3.5	10672	5541	363
xf67e10.x1 NCI_CGAP_Gas4 Homo sapiens CDNA Gone invade:2023140 3 stillied to contains MER10.t2 MER10 repetitive element;	EST_HUMAN	AW151673.1	7.00E-14	1.1		7921	1611
	EST HUMAN	R76269.1	8.00E-14	2.8		9008	3872
hz71c09.x1 NCI CGAP Lu24 Homo sapiens cUNA done IMAGE:3213424 3		BE468263.1	8.00E-14	1.6		8594	3453
Saguinus oedipus gene for seminal veside secreted protein semenogelin	NT	AJ002153.1		1.9	14857	9762	4650
Human DNA, SINE repetitive element	NT	D14547.1	9.00E-14	5.2	13958	8865	3728
aj24c01.51 Soares_testis_NHT Homo sapiens CDNA done 1391232 3 similar to contains MER18.t1 MER19 repetitive element;	EST_HUMAN	9.00E-14 AA781159.1	9.00E-14	1.0	10637	5511	3200
xo54h05.x1 NCI_CGAP_Ut1 Homo sapiens cUNA clone IMAGE:2/0/833 3	EST HUMAN	AW513296.1	9.00E-14	3.7	13322	8224	3073
xo54h05.x1 NCI_CGAP_Ut1 Homo sapiens cDNA clone IMAGE:2/0/833 3	EST HUMAN		9.00E-14	1.7	13014	7809	2725
RC4-CT0322-080100-013-d09 CT0322 Homo sapiens CUNA		AW861577.1	9.00E-14	1.5		7550	2451
AJZ4001.51 Soares_lesas_Mit Fromo explains cultiva dulle los (202 o silling) w college MER19.11 MER19 repetitive element ;	EST_HUMAN	AA781159.1	9.00E-14	1.0	10638	5512	<u>ස</u>
AJZ4CU1.51 Sociates jesus Will Formed septemble Color to the color of	EST_HUMAN	AA781159.1	9.00E-14	1.0	10637	5511	330
nw21g02.s1 NC_ CGAP_GCBU Homo sapiens curva conte invalge: (241130 3 similar to contains THR.t3 THR reputitive element;	EST HUMAN	AA720574.1	1.00E-13	0.8	.12293	7091	1976
H. Sapiens DWA, DWB, TILY-21, IFF 2, LWF 2, IVY 1, LWF 1, IVY 2, EVO.	N.	X87344.1	1.00E-13	1.3	11609	6442	1314
Homo sapiens Chomosome A laboratory TABA TABA TABA TABA TABA TABA TABA TAB	2	AL163213.2	1.00E-13	1.2		6358	1228
Homo sapiens LGMD2B gene	3		<del>↓</del> —	1.5	11178	6018 6018	870
FGF-1=fibroblast growth factor 1 Inuman, kioney, Genomic, 342 nt, segittent 2 of 2)	NT ·		1.00E-13	1.4	10604	5474	288
Homo sapiens NF-E2-related factor 3 gene, complete cos	N.	AF135116.1		1.5	14701	9608	4488
Homo saplens chromosome 21 segment HSZ1CU/8	N <sub>1</sub>	AL163278.2	_	1.7		9148	4019
Danio rerio fibroblast growth factor receptor 4 mRNA, complete cos	3	U23839.1	2.00E-13	1.3	10556	5429	239
Homo sapiens X28 region near ALD locus containing dual specificity phosphatase 9 (DUSP9), ribosomal protein L18a (RPL18a), Ca2+/Calmodulin-dependent protein kinase I (CAMKI), creatine transporter (CRTR), CDM protein (CDM), adrenoleukodystrophy protein >	NT	U52111.2	2.00E-13	1.0	10470	5346	<b>‡</b>
ob18d02.91 NCI_CGAP_Kid5 Homo sapiens cuna done iMAGE:1324033 3	EST HUMAN	3.00E-13 AA745844.1	3.00E-13 /	2.9		8299	3150
Homo saplens chromosome 21 segment HS21C010	NT	3.00E-13 AL163210.2	3.00E-13	1.0		7528	2429
Homo sapiens Xq pseudoautosomal region; segment 2/2	NT	3.00E-13 AJ271736.1	3.00E-13 /	1.3	12631	7422	2319
ZW68g08.71 Scares testis NHI Homo sapiens curva cione image. / o iavo o	EST HUMAN	3.00E-13 AA430310.1	3.00E-13 /		_	5996	847

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Homo sapiens chromosome 21 segment Hoz I Cubo	NT		9.00E-15		T	Т	1703
	NT	AL163283.2	9.00E-15	٦		Т	1703
Homo sapients process Processors 1624CD83	7427522 NT	74	9.00E-15	1.0	11852	╗	1558
xquell lo.x i wor consiste the phose	1 EST HOWAN	AW275852.1	1.00E-14	1.7	14583	4 9496	4374
COST NO CGAP 1 128 Home		WYOOZBA.	1.00E-14	Γ	14044	8948	3811
ae89c12.s1 Stratagene schizo brain		10024	1.000.14	Γ	Γ	Г	2914
HISTIDINE-RICH PROTEIN PRECU	SWISSPROT	D05227	1.000	T	Τ	Т	2358
Homo saplens ribosomal protein L23A (RPL23A) gene, complete cus		AF001689.1	100=-14	Ţ	T	Т	2007
Homo saplens chromosome 21 segment HSZ1C103	N	AL163303.2	1.00E-14		Т	Т	21.2
dehydrogenase (G6PD) gene, complete cds's	NT	L44140.1	1.00E-14	7.8	12270	\$ 7073	1956
Homo sapiens chromosome X region from framin (FLN) gene ம நிரமைச்சிரிய				T	T	Т	
	3	AL163268.2	1.00E-14	2.8	1	Т	1384
Homo sapiens chromosome zi seginieni riozi coco	NT	1.00E-14 AL163268.2	1.00E-14	2.8		7	1386
Homo sapiens Gillomosumo 21 segment H231CDRR	N	1.00E-14 AL163246.2	1.00E-14	1.3	11342	П	1051
	SWISSPROT	P08548	2.00E-14 P08548	1.0		7729	2640
HONIO SAPIRIS GIIOINOSONIA A CORRESTANCE HOMOLOG	2	2.00E-14  AL163209.2	2.00E-14	1.2	12778	7577	2479
Tion on champeone 21 segment HS21C009	1N 67C/C9/	/65	2.00E-14	1:1		7515	2416
Hamp society thandrid himor deletion	EOI TOWN	2.00E-14 AWJ/2000.	2.00E-14	1.4		7441	2339
	17.	2.00E-14 AL103303.4	2.00E-14	2.2	10960	7895	675
Library sanians chromosome 21 segment HS21C103	2 2	2.00E-14  AJZ/1/30.1	2.00E-14	1.4	Γ	5553	384
Liomo saniene ya nseudosufosomal region; segment 2/2	NT	2.00E-14 AJZ/1/30.1	2.00E-14	1.4	Γ	5553	384
1	NIT OUT NO.	P02894	3.00E-14	1.5	Γ		5157
CIBCI IMSPOROZOITE PROTEIN P	CIMICODOT	DC#0007 A. 1		1.2		10200	5104
contains MER4.b2 MER4 repetitive et	EST HUMAN	BE466370 1		3			
TOTAL Septents a distribution of the septent of the	7656864 NI	765	3.00E-14	1.1	15039	9951	4844
contains Alu repetitive element;contain	EST_HUMAN	AW265354.1	3.00E-14	0.8	15037	9948	4841
CA1642 X1 NCI CGAP HN11 Homo sapiens cDNA clone IMAGE:2743343 3' similar to	2	X95466.1	3.00E-14	0.7	11237	6081	934
	EST_HUMAN	N46328.1		1.0	14405	9320	4194
zk67a06.r1 Soares_pregnant_uterus_	EST_HUMAN	AA046502.1	4.00E-14	0.9		8832	3693
FIGURE September 1997 September 2008 Clone   MAGE:487858 5	2	4.00E-14 AJ007973.1	4.00E-14	2.4	12140	6954	1835
G-DIVITION IN THE CONTROL	SAMORES	P04928	4.00E-14	0.6		7907	1107
<u> </u>	EST_HUMAN	AW073791.1		1.1	15160	10088	4985
VENSENS X1 NCI CGAP GU1 Homo sapiens cDNA clone IMAGE:2575185 3' similar to		2000	5.00E-14	1.3	USBOT.	5760	602
RESISTANCE-ASSOCIATED PROTEIN 2) (CANALICULAR MULTIDRUG RESISTANCE	CWICCOROT						
ICANALICULAR MULTISPECIFIC ORGANIC ANION TRANSPORTER 1 (MULTIDRUG							

			R		Γ	~	Į,	-
RC3-HT0649-100500-022-b05 HT0649 Homo sapiens CUNA	EST_HUMAN	BE182696.1		0.8	T	Т	1363	_
LINE-1 REVERSE TRANSCRIPTAGE HUMOLOG	SWISSPROT	P08547		1.0	Ţ	Т	2 2 2	_
hk40e02.y1 NCI_CGAP_Ov34 Homo sapiens curva dulie invade: 2839102 0	EST_HUMAN	BE043584.1		0.8	13238	7	2070	_
TR:Q13539 Q13539 MARINER TRANSPOSASE.;	EST_HUMAN	A1689984.1	1.00E-15	0.7		7831	2747	
NORMOR X1 NCI CGAP Lu24 Homo sapiens cDNA done IMAGE:2270745 3' similar to	341331 130	PIJSBJ	2.005-15	1.3	15274	10194	5097	_
REPETITIVE PROLINE-RICH CELL WALL PROTEIN 2 PRECURSOR	SWISSEROT	P13993		1.3			5097	_
TRIGOS GONDAY TO TRIGOS OF THE PROTEIN 2 PRECURSOR	EST_HUMAN	AI806335.1		2.1		9641	4522	
cds, alternatively spliced  Cds, alternatively spliced  Cds, alternatively spliced  Cds, alternatively spliced  Cds, alternatively spliced	NT	AF223391.1	2.00E-15	1.0	13719	8606	3465	
cds, alternatively spliced	NT	AF223391.1	2.00E-15	1.0	13718	8606	3465	
Homo saniens raicium channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial	2	1070760	2.00≿-15	1.1		6639	1512	
cds, alternatively spliced  Long springs hypothetical protein FLJ20212 (FLJ20212), mRNA	3	AF223391.1		1.1	10674	5542	· 364	
cds, alternatively spliced  Language colors calcium channel signate subunit (CACNA1E) gene, exons 7-49, and partial	NT	AF223391.1	2.00E-15	:	10673	5542	364	
cds, alternatively spliced  cds, alternatively spliced  in the spliced cds, alternatively spliced cds,	NT	AF223391.1	2.00E-15	1.1	10585	5438	250	
/PU1FU3 Chromosome / Flacellal CDIAS Estat / CACNA1E) gene, exons 7-49, and partial	EST_HUMAN	AA078097.1	3.00E-15	0.9	15132	10060	4955	T
/PU1FU3 Chromosofile / Flacental colon Library Home sapiens cDNA clone 7P01F03	EST HUMAN	AA078097.1	3.00E-15 /	0.9	15131	10060	4955	T
NADH-UBIQUINONE OXIDOREUOCI AGE CINING Sepiens CDNA done 7P01F03	SWISSPROT			1.4		9950	4843	T
similar to ANF(CARDIODILATIN)	EST_HUMAN	N89452.1	3.00E-15	5.9		9249	4123	I
DKFZp761C0810_r1 761 (synonym: hamyz) Homo sapiens cDNA clone LY1142 5	EST_HUMAN	AL118596.1	4.00E-15	0.8	14252	9167	4039	
CHRAZZOSSO CHROMOSOMO STORE CONTRACTOR OF THE	EO I TUNAN	H55611.1	4.00E-15 I	3.0		7702	2612	П
CUBBOAGES Charmosome 22 exon Homo sapiens cDNA clone C22 749 5		Ž	_	0.9	10311	5210	421	1
UI-H-BW0-alb-g-10-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens CUNA cione IMAGE:2731219 3	T_HUMAN		<b>!</b>	1.0	٠	8565	3423	
haemochromatosis (HLA-H) gene, RoRet gene, and sodium phosphate transporter (NPT3) gene, complete cds	NT .	U91328.1	5.00E-15	1.4	13022	7817	2733	
Hirman hereditary haemochromatosis region, histone 2A-like protein gene, hereditary	2		5.00E-15 AL163208.2	2.0	10709	5572	404	П
Lorgo serione chromosome 21 segment HS21C008			6.00E-15 AJ271736.1	2.1	11280	6123	978	П
001140032F 1311 13100 10 10110	TOWAN		8.00E-15	1.0		5637	2780	
complete cds			9.00E-15 A	0.6		7236	2126	
Homo sapiens transcription factor IGHM enhancer 3, JM11 protein, JM4 protein, JM5 protein, 1754 protein, JM40 protein, A4 differentiation-dependent protein, triple LIM domain protein 6,								1

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RC1-HN0003-220300-021-b04 HN0003 Homo sapiens cDNA	TOT HIMAN	9/53/9/	7.00E-17	1.2	1000	6569	1442
ALPHA-2 ADRENERGIC RECEPTOR (ALPHA-2 AURENOCEPTICK)	SWISSPROT	Q91081	7.00E-17	0.9	11262		959
Homo sapiens chromosome 21 segment HS21C080	NT	AL163280.2	8.00E-17	0.9		8954	3817
QV0-OT0032-080300-155-d01 OT0032 Homo sapiens cDNA	EST_HUMAN	AW880701.1	8.00E-17	0.6		6141	1001
CM1-NN1003-200300-153-e01 NN1003 Homo sapiens cDNA	EST HUMAN	AW900048.1	9.00E-17	2.5	13911	8188	3679
POL POLYPROTEIN [CONTAINS: PROTEASE; REVERSE   RANSCRIPTASE; ENDONUCLEASE]	SWISSPROT	P10272	1.00E-16	1.2	14556	9468	4345
artigration sources to the source of the sou	EST_HUMAN	AA628592.1	1.00E-16	7.6		5583	377
Homo saplens pituitary tumor transforming gene protein (F116) gene, complete cus	NT.	AF200719.1	1.00E-16	0.9	10495	5371	178
H.saplens DNA for endogenous retroviral like element	NT	X89211.1		1.3	14296	9213	4087
Human SSAV-related endogenous retroviral LTR-like element	NT	J03061.1	2.00E-16	0.6		7746	2657
af06d04.s1 Soares_testls_NHT Homo sapiens cDNA cone IMAGE:1030855 3	EST_HUMAN	AA621761.1	2.00E-16	1.0		7439	2337
Homo sapiens chromosome 21 segment HS21C079	NT	AL163279.2	2.00E-16	1.2		6102	956
Human 8XP20 gene	NT	U03887.1	3.00E-16	1.0		9011	3875
gene, exon 5	NT	AF020503.1	3.00⊑-16	8.2		9010	3874
601113712F1 NIH MGC 16 Homo sapiens CUNA clone IMAGE:3334291 3	EST HUMAN	BE252133.1	3.00E-16	:1	13985	8894	3756
	SWISSPROT	P03200	3.00E-16	4.1	13202	8097	2946
ZONADHESIN PRECURSOR	SWISSPROT	Q28983	3.00€-16	0.7	11739	6563	1436
Homo saplens TSX (TSX) pseudogene, exon 5	NT	AF135446.1	3.00E-16	0.6		5632	467
DKFZp434P037_r1 434 (synonym: htes3) Homo saplens cDNA clone DKFZp434P037	EST_HUMAN	AL046445.1	3.00E-16	1.5		5624	458
df45c01.y1 Morton Fetal Cochlea Homo sapiens cDNA clone IMAGE:2486376 5'	EST_HUMAN	AW022862.1	3.00E-16	0.5	10457	5324	128
df45c01.y1 Morton Fetal Cochlea Homo sapiens cDNA clone IMAGE:2486376 5'	EST_HUMAN	AW022862.1		0.5	10456	5324	128
LINE-1 REVERSE TRANSCRIPTASE HOMOLOG	SWISSPROT	P08548	_	1.0	15269	10190	5092
PM4-BT0650-010400-002-g09 BT0650 Homo saplens cDNA	EST_HUMAN	BE083875.1		3.6	14261	9177	4050
РМ4-ВТ0650-010400-002-g09 BT0650 Homo saplens cDNA	EST_HUMAN	BE083875.1		3.6	14260	9177	4050
MYELIN-OLIGODENDROCYTE GLYCOPROTEIN PRECURSOR		016653	4 00E-18	3 -	13661	2552	2414
OV1-UM0038-200300-113-002 UM0036 Homo sapians cDNA	EO LIOMAN	AW/9/168.1		1.3	12639	7431	2328
Homo sapiens gene for TMEM1 and PWP2,complete and partial cos		AB001523.1	_	1.3		7301	2192
ot80c04.s1 Soares_total_fetus_Nb2HF8_8w Homo sapiens cDNA cione iMAGE:1523076 3 similar to contains element L1 repetitive element :	EST_HUMAN	AA992176.1		0.7	12936	7736	2647
Mus musculus olfactory receptor cluster, OR37A, OR37B, OR37C, OR37E genes and OR37D pseudogene	NT	AJ251154.1	5.00E-16	1.1	11778	6604	1477
EST384702 MAGE resequences, MAGL Homo sapiens cDNA	EST_HUMAN	AW972611.1	6.00E-16	3.0		7205	2094
Homo sapiens cut (Drosophila)-like 1 (CCAAT displacement protein) (CUTL1) mRNA	NT	3168		1.0	14614	9524	4404
wr85e04.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:2494590 3"	EST_HUMAN	A1984928.1	1.00E-15	1.2	15263	10184	5086

10305   0.8   5.00E-17   T64110.1   EST_HUMAN	IMAGE:1893668 3' similar to contains Alu repetitive element;	EST HUMAN	AI280214.1	5.00E-18	5.0	11418		1130	
10306	TRANSGLUTAMINASE) (TGASE C) (TGC)  TRANSGLUTAMINASE) (TGASE C) (TGC)  TRANSGLUTAMINASE) (TGASE C) (TGC)	SWISSPROT	P52181	1 -	3.4		1 9755	464	
19306   0.8   5.00E-17   T64110.1   EST_HUMAN	PROTEIN-GI UTAMINE GAMMA-GLUTAMYLTRANSFERASE (TISSUE	2	AL163268.2		1.2			449	
19306   0.8   5.00E-17   T64110.1   EST_HUMAN   MOSSINGS.rt Stratagene lung (#837210).   71612   12719   0.9   4.00E-17   RESTISCARS, 1   EST_HUMAN   MOSSINGS.rt Stratagene lung (#837210).   7163   12388   1.4   3.00E-17   RESTISCARS, 1   EST_HUMAN   MOSSINGS.rt Stratagene lung (#837210).   7163   12388   1.1   3.00E-17   RESTISCARS, 1   EST_HUMAN   MOSSINGS.rt STEP LUNGS. RFL_TEG CS 1+ INCOMPLE.   MASS-RELATED G PROTEIN-COUPLE.   SWISSPROT   MASS-RELATED G PROTEIN-COUPLE.   SWISSPROT   MASS-RELATED G PROTEIN-COUPLE.   SWISSPROT   MASS-RELATED G PROTEIN-COUPLE.   SWISSPROT   MASS-RELATED G PROTEIN-COUPLE.   ST. HUMAN   MOSSINGS.rt NCI_CGAP_ESO2 Homo segonal search NCI_CGAP_ES	contains thromosome 21 segment HS21C068	EST_HUMAN	R16220.1		0.9	15306	3 10231	513	
19306   0.8   5.00E-17   T64110.1   EST_HUMAN   MOSHOS.rt Stratagene lung (#837210)   7612   12719   0.9   4.00E-17   REST_SERVING   REST_HUMAN   MOSHOS.rt Stratagene lung (#837210)   7163   12388   1.4   3.00E-17   REST_SERVING   REST_HUMAN   MOSHOS.rt NCI_CGAP_Lu24 Homo septem for protein   1.1   3.00E-17   REST_SERVING   REST_HUMAN   MASS-RELATED G PROTEIN-COUPLE   REST_HUMAN   REST_HUMAN   REST_HUMAN   REST_HUMAN   REST_HUMAN   REST_REST_REST_REST_HUMAN   REST_HUMAN   REST_HUMA	Homo sapietis dirottoscine 21 segment 1991	Z	AL163284.2		1.0	14550	П	433	
10306   0.8   5.00E-17   T64110.1   EST_HUMAN   yc05h08.rt Stratagene lung (#837210]   7512   12719   0.9   4.00E-17   BE315238.1   EST_HUMAN   d03141831F1 NIH MGC 9 Homo saplens hrenchos plus 12388   1.4   3.00E-17   P36410   EST_HUMAN   d03149.81 Soares, NFL_T_GBC_S1 H. MGC 9 Homo saplens hrenchos plus 12382   1.1   3.00E-17   BE328522.1   EST_HUMAN   md69049.xt Soares, NFL_T_GBC_S1 H. MGC 9 Homo saplens hrenchos plus 12382   1.1   3.00E-17   BE328522.1   EST_HUMAN   md69049.xt NCL_GGAP_Lu24 Homo signature in the part of the	gb:L20868 60S RIBOSOMAL PROTEIN L4 (HUMAN);		AW316976.1		2.9	10654		¥	
5204         10305         0.8         5.00E-17         T64110.1         EST_HUMAN           7512         12719         0.9         4.00E-17         BE316238.1         EST_HUMAN           7163         12368         1.4         3.00E-17         AW119123.1         EST_HUMAN           8306         1.3         3.00E-17         AW119123.1         EST_HUMAN           8729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN           8729         13828         1.1         3.00E-17         BE326522.1         EST_HUMAN           5531         10659         1.0         2.00E-17         AI270080.1         EST_HUMAN           5531         10659         0.7         2.00E-17         AI270080.1         EST_HUMAN           5531         10659         0.7         2.00E-17         AI270080.1         EST_HUMAN           5531         10659         0.7         2.00E-17         AA722932.1         EST_HUMAN           5531         12703         0.9         2.00E-17         AA722932.1         EST_HUMAN           5531         12703         0.9         2.00E-17         P2036         SWISSPROT           8050         1345         1.0	gb:L20868 60S RIBOSOMAL PROTEIN L4 (HUMAN):	EST HUMAN	AW316976.1		2.9	10653		346	
10305   0.8   5.00E-17   T64110.1   EST_HUMAN   yc05h08.r1 Stratagene lung (#937210].   7512   12719   0.9   4.00E-17   BE315238.1   EST_HUMAN   001141331F1 NIH MGC_ 9 Homo septen	Homo sapiens protein tyrosine phosphatase, non-receptor type substrate in (ninks). Homo sapiens cDNA clone IMAGE:2837071 3' simila	NT	475897	8.00E-18	1.8	13947		3718	
5204         10305         0.8         5.00E-17         T64110.1         EST_HUMAN           7512         12719         0.9         4.00E-17         BE315238.1         EST_HUMAN           7763         12368         1.4         3.00E-17         AW119123.1         EST_HUMAN           8729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN           8729         13828         1.1         3.00E-17         BE326522.1         EST_HUMAN           8729         13828         1.1         3.00E-17         BE326522.1         EST_HUMAN           8729         13828         1.0         2.00E-17         AI270080.1         EST_HUMAN           5531         10659         0.7         2.00E-17         AI270080.1         EST_HUMAN           6918         1.3         2.00E-17         AI270080.1         EST_HUMAN           7497         12703         0.9         2.00E-17         AA722932.1         EST_HUMAN           8050         13153         5.6         2.00E-17         P02883         SWISSPROT           9783         14995         1.1         2.00E-17         P08183         SWISSPROT           78652         12031         0.9         <	zp18g12.s1 Stratagene fetal retina 937202 Homo sapiens CDNA cione image: oueo	EST HUMAN	AA174078.1		1.0	12728		2422	
5204         10305         0.8         5.00E-17         T64110.1         EST_HUMAN           7512         12719         0.9         4.00E-17         BE315238.1         EST_HUMAN           7763         12368         1.4         3.00E-17         AW119123.1         EST_HUMAN           8306         1.3         3.00E-17         AW119123.1         EST_HUMAN           8729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN           8729         13828         1.1         3.00E-17         BE326522.1         EST_HUMAN           8729         13828         1.0         2.00E-17         AI270080.1         EST_HUMAN           5531         10659         0.7         2.00E-17         AI270080.1         EST_HUMAN           5531         10659         0.7         2.00E-17         AI270080.1         EST_HUMAN           6918         1.3         2.00E-17         AA722932.1         EST_HUMAN           7497         12703         0.9         2.00E-17         AA722932.1         EST_HUMAN           8050         13153         5.6         2.00E-17         P028883         SWISSPROT           9783         1495         1.1         2.00E-17	y/30e07.r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA cone image: 1203	EST HUMAN	R09942.1	L	7.2			4045	
5204         10305         0.8         5.00E-17         T64110.1         EST_HUMAN         7512         12719         0.9         4.00E-17         BE315238.1         EST_HUMAN         7763         12368         1.4         3.00E-17         AW119123.1         EST_HUMAN         7763         12368         1.4         3.00E-17         AW119123.1         EST_HUMAN         77763         12368         1.1         3.00E-17         AW119123.1         EST_HUMAN         7777	enzyme E2D 3 (UBE2D3) genes, complete cds	NT	AF224669.1		1.0			3518	
5204         10305         0.8         5.00E-17         T64110.1         EST_HUMAN         yco5h08.rt Stratagene lung (#937210) than septen fill yco5h08.rt Stratagene lung (#937210) than septen fill yco5h08.rt Stratagene lung (#937210) than septen fill yco5h08.rt Stratagene lung (#937210) than septen fill yco5h04.rt NCI_CGAP_ICS than septen fill yco5h04.rt NCI_CGAP_IC	Homo sapiens mannosidase here A Ivsosomal (MANBA) gene, and ubiquitin-conjug	NT	U79410.1	_	0.5	12599	$\neg$	2287	
5204         10305         0.8         5.00E-17         T6410.1         EST_HUMAN         yc05h08.r1 Stratagene lung (#937210) I           7512         12719         0.9         4.00E-17         BE3156238.1         EST_HUMAN         601141631F1 NIH_MGC_9 Homo saple           7163         12368         1.4         3.00E-17         AW119123.1         EST_HUMAN         xd89cd9.x1 Soares_NFL_T_GBC_S1 H           8729         13825         1.1         3.00E-17         BE326522.1         EST_HUMAN         mass.RELATED G_PROTEIN-COUPLEI           8729         13828         1.1         3.00E-17         BE326522.1         EST_HUMAN         mass.RELATED G_PROTEIN-COUPLEI           8729         13828         1.1         3.00E-17         BE326522.1         EST_HUMAN         mass.RELATED G_PROTEIN-COUPLEI           8729         13828         1.1         1.00E-17         AI270080.1         EST_HUMAN         mass.RELATED G_PROTEIN-COUPLEI           5531         10659         0.7         2.00E-17         AI270080.1         EST_HUMAN         contains Alu repetitive element;           5531         10659         0.7         2.00E-17         AI270980.1         EST_HUMAN         contains Alu repetitive element;           5531         12702         0.9         2.00E-17	COLLAGEN ALPHA 1(III) CHAIN FRECURSON	SWISSPROT	P02461		0.6	12385	П	2069	_
5204         10305         0.8         5.00E-17         T64110.1         EST_HUMAN         yco5h08.r1 Stratagene lung (#937210) regretation and processes in the processes of the proces	Homo sapiens chromosome 21 segment risk lover	NT	AL163207.2		0.9	12031	Т	1729	_
10305   0.8   5.00E-17   T64110.1   EST_HUMAN   yc05h08.r1 Stratagene lung (#937210)   12719   0.9   4.00E-17   BE315238.1   EST_HUMAN   601141631F1 NIH MGC 9 Homo seple   12719   12368   1.4   3.00E-17   AW119123.1   EST_HUMAN   xd89cd9.x1 Soares_NFL_T_GBC_S1 H   xd89cd9.x1 Ncl_CGAP_Lu24 Homo sequence   xd89cd9.x1 Ncl_CGAP_Lu2	MULTIDRUG RESISTANCE PROTEIN 1 (P-GLTCOPROTEIN 1)	SWISSPROT	P08183		1.2	11031	5887	733	_
5204         10305         0.8         5.00E-17         T64110.1         EST_HUMAN         yco5h08.r1 Stratagene lung (#937210) repetitive element;           7512         12719         0.9         4.00E-17         BE315238.1         EST_HUMAN         801141831F1 NIH MGC 9 Homo septe           77163         12368         1.4         3.00E-17         AW119123.1         EST_HUMAN         xd89cd9.x1 Soares NFL_T_GBC_S1 H           8306         1.3         3.00E-17         P35410         SWISSPROT         MAS-RELATED G PROTEIN-COUPLEI           8729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN         hw05b04.x1 NCI_CGAP_Lu24 Homo ser           8729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN         hw05b04.x1 NCI_CGAP_Lu24 Homo ser           8729         13826         1.1         3.00E-17         AI270080.1         EST_HUMAN         hw05b04.x1 NCI_CGAP_Eso2 Homo ser           5531         10659         0.7         2.00E-17         AI270080.1         EST_HUMAN         contains Alu repetitive element;           5531         10659         0.7         2.00E-17         AI270080.1         EST_HUMAN         contains Alu repetitive element;           5531         10659         0.9         2.00E-17	PHENYLACETALDEHYDE DEHYDRUGENAGE (FAD)	SWISSPROT	P80668		=	14895	9793	4681	_
5204         10305         0.8         5.00E-17         T64110.1         EST_HUMAN         yo05h08.r1 Stratagene lung (#937210) r           7512         12719         0.9         4.00E-17         BE315238.1         EST_HUMAN         601141631F1 NIH_MGC 9 Homo saple           7763         12368         1.4         3.00E-17         AW119123.1         EST_HUMAN         xd89c09.x1 Soares_NFL_T_GBC_S1 H           8306         1.3         3.00E-17         P35410         SWISSPROT         MAS-RELATED G PROTEIN-COUPLEI           8729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN         hw05b04.x1 NCl_CGAP_Lu24 Homo sa           6729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN         hw05b04.x1 NCl_CGAP_Lu24 Homo sa           5531         10659         1.0         2.00E-17         AI270080.1         EST_HUMAN         contains Alu repetitive element;           5531         10659         0.7         2.00E-17         AI270080.1         EST_HUMAN         contains Alu repetitive element;           5531         10659         0.7         2.00E-17         AI270080.1         EST_HUMAN         contains Alu repetitive element;           5497         12702         0.9         2.00E-17         AA722832.1 <td>(NEUROFILAMENT HEAVY POLYPEPTIDE) (NFH)</td> <td>SWISSPROT</td> <td>P12036</td> <td></td> <td>5.6</td> <td>13153</td> <td>8050</td> <td>2899</td> <td></td>	(NEUROFILAMENT HEAVY POLYPEPTIDE) (NFH)	SWISSPROT	P12036		5.6	13153	8050	2899	
5204         10305         0.8         5.00E-17         T64110.1         EST_HUMAN         yco5h08.r1 Stratagene lung (#937210) regions           7512         12719         0.9         4.00E-17         BE315238.1         EST_HUMAN         601141631F1 NIH MGC_9 Homo saple           7763         12368         1.4         3.00E-17         AW119123.1         EST_HUMAN         xd89cd9.x1 Soares NFL_T_GBC_S1 H           8306         1.3         3.00E-17         P35410         SWISSPROT         MAS-RELATED G PROTEIN-COUPLEI           8729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN         hw05b04.x1 NCI_CGAP_Lu24 Homo sa           8729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN         hw05b04.x1 NCI_CGAP_Lu24 Homo sa           5531         10659         1.0         2.00E-17         AI270080.1         EST_HUMAN         contains Alu repetitive element;           5531         10659         0.7         2.00E-17         AI270080.1         EST_HUMAN         contains Alu repetitive element;           5531         10659         0.7         2.00E-17         AA722932.1         EST_HUMAN         contains Alu repetitive element;           5531         10859         0.7         2.00E-17         AA72293	ZONADHESIN PRECURSOR	SWISSPROT	028983		0.9	12703	7497	2397	_
5204         10305         0.8         5.00E-17         T64110.1         EST_HUMAN         yco5h08.r1 Stratagene lung (#937210) I           7512         12719         0.9         4.00E-17         BE315238.1         EST_HUMAN         801141831F1 NIH MGC 9 Homo saple           7763         12368         1.4         3.00E-17         AW119123.1         EST_HUMAN         xd89cd9.x1 Soares NFL_T_GBC_S1 H           8306         1.3         3.00E-17         P35410         SWISSPROT         MAS-RELATED G PROTEIN-COUPLEI           8729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN         hw05b04.x1 NCI_CGAP_Lu24 Homo sa           8729         13828         1.1         3.00E-17         BE326522.1         EST_HUMAN         hw05b04.x1 NCI_CGAP_Lu24 Homo sa           8729         13828         1.1         3.00E-17         AI270080.1         EST_HUMAN         hw05b04.x1 NCI_CGAP_Eso2 Homo sa           5531         10659         0.7         2.00E-17         AI270080.1         EST_HUMAN         contains Alu repetitive element;           5531         10659         0.7         2.00E-17         AI270080.1         EST_HUMAN         contains Alu repetitive element;           5531         10659         0.7         2.00E-17         AI270080.1 <td>ZONADHESIN PRECURSOR</td> <td>SWISSPROT</td> <td>228983</td> <td></td> <td>0:0</td> <td>12702</td> <td>7497</td> <td>2397</td> <td></td>	ZONADHESIN PRECURSOR	SWISSPROT	228983		0:0	12702	7497	2397	
5204         10305         0.8         5.00E-17         T64110.1         EST_HUMAN         yco5h08.r1 Stratagene lung (#937210) r           7512         12719         0.9         4.00E-17         BE315238.1         EST_HUMAN         601141631F1 NIH_MGC 9 Homo saple           7163         12368         1.4         3.00E-17         AW119123.1         EST_HUMAN         xd89c09.x1 Soares_NFL_T_GBC_S1 H           8306         1.3         3.00E-17         P35410         SWISSPROT         MAS-RELATED G PROTEIN-COUPLEI           8729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN         hw05b04.x1 NCI_CGAP_Lu24 Homo sa           8729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN         hw05b04.x1 NCI_CGAP_Eso2 Homo sa           8729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN         hw05b04.x1 NCI_CGAP_Eso2 Homo sa           5531         10659         1.0         2.00E-17         AI270080.1         EST_HUMAN         contains Alu repetitive element;           5531         10659         0.7         2.00E-17         AI270080.1         EST_HUMAN         contains Alu repetitive element;	NEHH	EST_HUMAN	AA722932.1		1.3		6118	070	
5204         10305         0.8         5.00E-17         T64110.1         EST_HUMAN         yc05h08.r1 Stratagene lung (#937210)           7512         12719         0.9         4.00E-17         BE315238.1         EST_HUMAN         601141631F1 NIH_MGC_9 Homo sapic           7763         12368         1.4         3.00E-17         AW119123.1         EST_HUMAN         xd89c09.x1 Soares_NFL_T_GBC_S1 HUMAN           8306         1.3         3.00E-17         P35410         SWISSPROT         MAS-RELATED G PROTEIN-COUPLE           8729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN         hw05b04.x1 NCI_CGAP_Lu24 Homo sapic           6729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN         hw05b04.x1 NCI_CGAP_Lu24 Homo sapic           6729         13826         1.1         3.00E-17         BE326522.1         EST_HUMAN         hw05b04.x1 NCI_CGAP_Eso2 Homo sapic           5531         10659         1.0         2.00E-17         AI270080.1         EST_HUMAN         Jacabas sapic		EST_HUMAN	AI270080.1	_	0.7	10659	5531	351	
5204 10305 0.8 5.00E-17 T64110.1 EST_HUMAN yc05h08.r1 Stratagene lung (#937210)   7512 12719 0.9 4.00E-17 BE315238.1 EST_HUMAN 601141831F1 NIH_MGC_9 Homo sapic control of the control of	contains Aure CGAB Eso2 Homo saplens cDNA done IMAGE:1959922 3' similar	EST HUMAN	AI270080.1	1	1.0	10659	5531	350	
5204 10305 0.8 5.00E-17 T64110.1 EST_HUMAN yc05h08.r1 Stratagene lung (#937210)   7512 12719 0.9 4.00E-17 BE315238.1 EST_HUMAN 601141631F1 NIH_MGC_9 Homo sapidation of the strategies of the sapidation of the strategies of the strategies of the sapidation of the strategies of the sapidation of the strategies of the strategies of the sapidation of the strategies of the sapidation of the strategies of the sapidation of the strategies of the sapidation of the sa	Inwoode, x I NCI CGAP Eso2 Homo sapiens cDNA done IMAGE:1959922 3' similar	EST HUMAN	3E326522.1	_1	:1	13826	8729	3590	
5204 10305 0.8 5.00E-17 T64110.1 EST_HUMAN yc05h08.r1 Stratagene lung (#937210) 7512 12719 0.9 4.00E-17 BE315238.1 EST_HUMAN 601141631F1 NIH MGC 9 Homo sapid 7163 12368 1.4 3.00E-17 AW119123.1 EST_HUMAN xd89c09.x1 Soares_NFL_T_GBC_S1 H R306 1.3 3.00E-17 P35410 SWISSPROT MAS-RELATED G PROTEIN-COUPLE	hw05b04.x1 NCI CGAP Lu24 Homo sapiens cDNA done IMAGE:3181999 3'	EST HUMAN	3E326522.1		1.1	13825	8729	3590	-
5204 10305 0.8 5.00E-17 T64110.1 EST_HUMAN yc05h08.r1 Stratagene lung (#937210) 7512 12719 0.9 4.00E-17 BE315238.1 EST_HUMAN 601141631F1 NIH MGC 9 Homo sapidation of the first stratagene lung (#937210) 17163 12368 1.4 3.00E-17 AW119123.1 EST_HUMAN xd89c09.x1 Soares NFL T GBC S1 H	MAS-RELATED G PROTEIN-COUPLED NECEL TONA Clone IMAGE:3181999 3	SWISSPROT	35410		1.3		8306	3157	
5204 10305 0.8 5.00E-17 T64110.1 EST_HUMAN yc05h08.r1 Stratagene lung (#937210) 7512 12719 0.9 4.00E-17 BE315238.1 EST_HUMAN 601141631F1 NIH_MGC_9 Homo sapid	IXd89c09.x1 Soares NFL T GBC S1 Homo sapielle cours dulle information perception MRG	EST_HUMAN	\W119123.1		1,4	12368	7163	2051	
5204 10305 0.8 5.00E-17 T64110.1 EST_HUMAN yc05h08.r1 Stratagene lung (#937210) i	601141631F1 NIH MGC 9 Homo sapiens CUNA Clone IMAGE: 3141070 C	EST_HUMAN	3E315238.1	4.00E-17 B	0.9	12719	7512	2413	
	yc05h08.r1 Stratagene lung (#937210) Homo sapiens cDNA clone IMAGE:79839 5	EST HUMAN	64110.1	_	O A	10305	1000	445	7

ON 1904 (2011) MID. 21 HOLLD Sapiella CAINA CALLE HANGE 1909010 O	EOI LIONANA	ו.טטב-וס וסבייטסטוו.ו	1.000	0.0		2000	
	NT LIMAN	AL163201.2	2.00E-19	6,4	12811	Т-	2513
BETA-2 ADRENERGIC RECEPTOR	SWISSPROT	Q28997	3.00E-19	1.7	14008	8915	3778
BETA-2 ADRENERGIC RECEPTOR	SWISSPROT	Q28997	3.00E-19	1.7	14007	8915	3778
Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501	NT	AB007970.1	4.00E-19	1.5	10825	5705	542
DKFZp762F192_r1 762 (synonym: hmel2) Homo sapiens cDNA clone DKFZp762F192 5'	EST_HUMAN	AL120817.1	6.00E-19	1.1	15127	10057	4952
Homo sapiens Xq pseudoautosomal region; segment 1/2	NT	6.00E-19 AJ271735.1	6.00E-19	1.2		9806	4694
OLFACTORY RECEPTOR 6 (M50)	SWISSPROT	P34986 ·	6.00E-19 P34986	1.4	14574	9482	4360
OLFACTORY RECEPTOR 6 (M50)	SWISSPROT	P34986	6.00E-19	1.4	14573	9482	4360
PM0-CT0248-131099-001-g01 CT0248 Homo sapiens cDNA	EST_HUMAN	AW852930.1	6.00E-19	1.0		8851	. 3713
Homo sapiens DEAD/H (Asp-Giu-Ala-Asp/His) box polypeptide 6 (RNA helicase, 54kD) (DDX6) mRNA	NT	4758139	7.00E-19	0.6	12519	7307	2198
QV3-NN1025-100500-183-501 NN1025 Homo saplens cDNA	EST_HUMAN	AW902939.1	8.00E-19	2.7	14474	9391	4266
EST387007 MAGE resequences, MAGN Homo saplens cDNA	EST_HUMAN	AW974902.1	8.00E-19	0.5		6172	1032
zt11d06.r1 NCI_CGAP_GCB1 Homo sapiens cDNA done IMAGE:712811 5' similar to contains MER19.t2 MER19 repetitive element;	EST_HUMAN	AA281961.1	9.00E-19	1.1	10821	5697	534
zt11d06.r1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:/12811 5 similar to contains MER19.t2 MER19 repetitive element;	EST_HUMAN	AA281961.1	9.00E-19	1.5	10821	5697	533
similar to contains L1 repetitive element;	EST HUMAN	T95406.1	1.00E-18	1.0		9441	. 4318
ye43g05,r1 Soares fetal liver spieen 1NFLS Homo saplens cDNA clone IMAGE:120536 5'							
Homo saplens chromosome 21 segment HS21C087	NT	1.00E-18 AL163267.2	1.00E-18	1.4	12938	П	2649
601114352F1 NIH_MGC_16 Homo sapiens cDNA clone-IMAGE:3355044 5	EST_HUMAN	2.00E-18  BE256097.1	2.00E-18	16.0			1135
QV1-LT0036-150200-070-e07 LT0036 Homo sapiens cDNA	EST_HUMAN	AW836820.1	2.00E-18	1.0	10566	5439	251
Homo sapiens chromosome 21 segment HS21C047	TI	AL163247.2		1.2	14103	9003	3867
CM0-BT0690-210300-298-g07 BT0690 Homo sapiens cDNA	EST_HUMAN	BE088634.1		0.8	11218	6060	914
ob23h11.s1 NCI_CGAP_Kid5 Homo saplens cDNA done IMAGE:1324581 3' similar to SW:RS5_HUMAN P46782 40S RIBOSOMAL PROTEIN S5.;	EST_HUMAN	AA814196.1	3.00E-18	0.8	11141	0869	831
Rattus norvegicus lipolysis-stimulated remnant receptor alpha' subunit mRNA, complete cds	NT	AF119668.1	4.00E-18	1.1	14997	9904	4793
N-ACETYLLACTOSAMINIDE BETA-1,6-N-ACETYLGLUCOSAMINYLTRANSFERASE (N-ACETYLGLUCOSAMINYLTRANSFERASE) (I-BRANCHING ENZYME) (IGNT)	SWISSPROT	Q06430	4.00E-18	1.0	12473	7264	2154
N-ACETYLLACTOSAMINIDE BETA-1,6-N-ACETYLGLUCOSAMINYLTRANSFERASE (N-ACETYLGLUCOSAMINYLTRANSFERASE) (I-BRANCHING ENZYME) (IGNT)	SWISSPROT	Q06430	4.00E-18	1.0	12472	7264	2154
wi33h08.x1 NCI_CGAP_Co16 Homo sapiens cDNA clone IMAGE:2392095 3'	EST_HUMAN	AI738592.1	4.00E-18	1.1		6964	1846
ho36h04.x1 NCI_CGAP_Ut1 Homo sapiens cDNA done IMAGE:3039511 3' similar to contains MER29.b3 MER29 repetitive element;	EST_HUMAN	BE044076.1	4.00E-18	1.4	10448	5318	119
ho36h04.x1 NCI_CGAP_Ut1 Homo sapiens cDNA clone IMAGE:3039511 3' similar to contains MER29.b3 MER29 repetitive element;	EST_HUMAN	BE044076.1	4.00Ė-18	1.4	10447	5318	119
HUM411F05B Clontech human fetal brain polyA+ mRNA (#6535) Homo sapiens cDNA clone GEN-411F05 5'	EST_HUMAN	D61517.1	5.00E-18 D61517.1	1.8	15232	5058 10156	5058

Homo sapiens protein tyrosine phosphatase, non-receptor type 21 (F1FN21), mxiva		5902031 NT	5.00E-21	0.6	11210	6053	92	
601304125F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3638310 5	THUMAN	BE408611.1	6.00E-21	9.0	14228	9145	4014	
zk67a06.r1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:487858 5'		AA046502.1	7.00E-21	5.0		9287	4161	
LAMININ BETA-2 CHAIN PRECURSOR (S-LAMININ) (LAMININ CHAIN B3)	SWISSPROT	P15800	I I	0.8	12336	7136	2023	
LAMININ BETA-2 CHAIN PRECURSOR (S-LAMININ) (LAMININ CHAIN B3)	SWISSPROT	P15800		0.8	12335	7136	2023	
RC0-HT0023-300699-001-E04 HT0023 Homo saplens cDNA	EST_HUMAN	AI795842.1		1.0	10491	5365	172	
RC0-HT0023-300699-001-E04 HT0023 Homo sapiens cDNA	EST_HUMAN	A1795842.1		1.0	10490	5365	172	
AJ003514 Selected chromosome 21 cDNA library Homo sapiens cDNA done MPIpi12-8J21	EST_HUMAN	AJ003514.1	9.00E-21	1.1		8034	2883	
CM4-HT0481-310100-085-d07 HT0481 Homo sapiens cDNA	EST_HUMAN	BE165641.1	9.00E-21	1.0	10821	5492	308	
	Z	7661767		1.0	14970	9875	4764	_
zt11d06.r1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:712811 5 similar to contains MER19.t2 MER19 repetitive element;	EST_HUMAN	AA281961.1	1.00E-20	1.9	12283	7870	1967	
Homo sapiens malate dehydrogenase 1, NAD (soluble) (MDH1) mRNA		5174538 NT	2.00E-20	11.4		10188	5090	-
ZONADHESIN PRECURSOR	SWISSPROT	Q28983	2.00E-20	4.3	15058	9973	4866	-
ZONADHESIN PRECURSOR	SWISSPROT	Q28983	2.00E-20	4.3	15057	9973	4866	_
x/24e10.x1 NCI_CGAP_Ut4 Homo sapiens cDNA clone IMAGE:2761098 3' similar to SW:RS5_MOUSE P97461 40S RIBOSOMAL PROTEIN S5.;		AW303868.1	2.00E-20	0.9		5963	2786	
yr87h12.r1 Soares fetal liver spieen 1NFLS Homo saplens cDNA clone IMAGE:212327 5'	EST_HUMAN	H68656.1	2.00E-20	0.6	12495	7282	2173	
ng69h09.s1 NCI_CGAP_Llp2 Homo sapiens cDNA done IMAGE:940097 similar to TR:G1224066 G1224066 ORF2: FUNCTION UNKNOWN.;	EST HUMAN	AA516335.1	2.00E-20	0.7	11385	6233	1095	
ng69h09.s1 NCI_CGAP_Llp2 Homo sapiens cDNA done (MAGE:940097 similar to TR:G1224066 G1224066 ORF2: FUNCTION UNKNOWN.;	EST_HUMAN	AA516335.1	2.00E-20	0.7	11384	6233	1095	
x/24e10.x1 NCI_CGAP_Ut4 Homo sapiens cDNA clone IMAGE:2761098 3' similar to sw:rs5_MOUSE P97461 40S RIBOSOMAL PROTEIN S5.;	EST_HUMAN	AW303868.1	2.00E-20	1.5		5963	813	
zk36b12.s1 Soares_pregnant_uterus_NbHPU Homo sapiens cuna cione invase: 404083 similar to contains L1.t3 L1 repetitive element;	EST_HUMAN	AA037616.1	3.00E-20	0.9	14733	9643	4524	7
OLFACTORY RECEPTOR-LIKE PROTEIN 114	SWISSPROT	P23273	3.00E-20 P23273	1.7	14327	9241	4115	
Human BXP21 gene		U03888.1	3.00E-20 U03888.1	1.0	12408	7203	2092	Т
ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY	SWISSPROT	P39188	_	3.9	13759	8648	3508	
yr87h12.r1 Soares fetal liver spieen 1NFLS Horno sapiens cDNA clone IMAGE:212327 5'	EST_HUMAN	H68656.1	8.00E-20	1.3	14837	9740	4626	$\overline{}$
aj49b12.s1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1393631 3' similar to contains MER37.t2 MER37 repetitive element;	EST_HUMAN	AA834967.1	1,00E-19	1.3	13607	8498	3355	
Homo sapiens protein tyrosine phosphatase, non-receptor type substrate 1 (PTPNS1) mRNA		4758977 NT	1.00E-19	5.0		7968	2817	
Human gene for Ah-receptor, exon 7-9		D38044.1		1.0		7772	2685	
yo79g07.r1 Soares adult brain N2b4HB55Y Homo sapiens cDNA clone IMAGE:184188 5' similar to contains MER10 repetitive element;	EST_HUMAN	H30795.1	1.00E-19	0.5	12438	7229	2118	_
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4212	4212	3620	2523	943	)	3004	4908	*100 *100	1486	240	933	4312	1381	1235	2599	2599	2516	2260	1196	1164	919	919	140	3 <u>2</u> 41	2228	1701	5109	4696	2234
9336	9336	8759	7619	6090		0/2	T	1	1	Т	Т	9435	7	6364	7690	7690	7612	7366	6328	6299	6065	6065	5336	8192	7335	6824	10205	9808	7341
14420	14419		12820				10140	15145	14303	10022		14525		11526	12894	12893	12814	12575		11454	11221	11220		13294	12547	12005		14907	12553
0.8	0.8	1.5	0.7	7.2	•	0.5	001	3 !	23	14	1.6	2.6	0.9	0.6	1.0	1.0	0.8	2.6	0.7	2.6	0.9	0.9	5.0	4.0	1.1	1.2	1.0	6.0	=
3.00E-22	3.00E-22	3.00E-22	3.00€-22	3.00E-22	200	1.000	4 00E-22	7,005-22	7.00E-22	700E-22	8.00E-22	9.00E-22	1.00E-21	1.00E-21	2.00E-21	2.00E-21	2.00E-21	2.00E-21	2.00E-21	2.00E-21	2.00E-21	2.00E-21	2.00E-21	3.00∈-21	3.00€-21	4.00E-21	5.00E-21	5.00E-21	5.00E-21
F00548.1	F00548.1	D14718.1		A1409079.1	101160670 4		A 1271735 1	7 00E-22 AR008681.1			BE144748.1	AI702438.1	AI601264.1	AA557657.1	Q28983	1	T10311.1	D14547.1	2.00E-21 BE064410.1	AA206749.1	AB007857.2	AB007857.2	BE163247.1	AJ007973.1	AL163201.2	AA970713.1	D87675.1	4885474 NT	AA928194.1
EST_HUMAN	EST_HUMAN	2	EST_HUMAN	E O LONG	TOT HIMAN		NI.	NT	SWISSPROT		EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	SWISSPROI	SWISSPROT	EST_HUMAN	Z	EST_HUMAN	EST_HUMAN	NT	N.T	EST HUMAN	NT	NT	EST HUMAN	NT	4 NT	EST_HUMAN
saplens cDNA clone 10E08	saplens cDNA clone 10E08 saplens cDNA clone 10E08 saplens cDNA clone 10E08 saplens cDNA clone 10E08 saplens cDNA clone 10E08	Human Chomosoniai protein nivio i reases gene Licentorios CTDATACENE Himan ekeletal musicle cDNA library, cat. #936215, Homo	SW:RL21_HUMAN P46778 60S RIBOSOMAL PROTEIN L21.	w/66b04.x1 NCI CGAP Bm25 Homo sapiens cDNA clone IMAGE:2429839 3' similar to	gb:L19593 HIGH AFFINITY INTERLEUKIN-8 RECEPTOR B (HUMAN);contains L1.11 L1 repetitive element :	tm14h10.x1 NCI_CGAP_Co14 Homo saplens cDNA clone IMAGE:2156611 3' similar to	Homo sapiens Xq pseudoautosomal region; segment 1/2	Homo sapiens gene for activin receptor type IIB, complete cds	ALPHA-2-MACROGLOBULIN PRECURSOR (ALPHAZM)	Homo saplens chromosome 21 segment HS21C046	CM0-HT0179-281099-076-h05 HT0179 Homo sapiens CUNA	TR:Q15408 Q15408 NEUTRAL PROTEASE LARGE SUBUNIT:	ar88d12.x1 Barstead colon HPLKB/ Homo sapiens CUNA Guile IMAGE:2006204 2' similar to	MER29.b2 MER29 repetitive element;	PUREOUS AND CORAD Pr4 Home sanians cDNA clone IMAGE: 1043718 similar to contains	CONSCIENCE DESCRIPTION OF THE PROPERTY OF THE	seq1487 b4HB3MA Cot8-HAP-Ft Homo sapiens cDNA clone b4HB3MA-COT8-HAP-F259 5	Human UNA, SINE repenuve element	RC4-BT0311-141199-011-non B10311 nomo sapisiis culvo	similar to SW:YGA1_YEAST P48234 HYPOTHETICAL 81.7 KD PROTEIN IN MOL1-NAT2 INTERGENIC REGION. [1]:		Homo sapiens mRNA for KIAA0397 protein, partial cas		Homo sapiens LGMD2B gene	Homo sapiens chromosome 21 segment HSZTCUUT	co86e08.s1 NCL CGAP_Kld5 Homo sapiens CUNA clone invace. 137 3054 3 similar to TR:Q16530 Q16530 PMS3 MRNA ;contains OFR.t1 OFR repetitive element;	Homo saplens DNA for amyfold precursor protein, complete cas	Homo sapiene melanoma antigen, family C, 1 (MAGECT), mkrvk	om23g03.s1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:1541908 3' SIMILIAN TR:002711 002711 PRO-POL-DUTPASE POLYPROTEIN;

							The second secon
		1000	3	3	_	TOT LIMAN	qb28c07.x1 Soares_pregnant_uterus_NbHPU Homo sapiens culva cione illevices i similar to contains MER12.12 MER12 repetitive element;
4690	1008	PORT	2.1	3.00E-24 71000 140.		- C. C. C.	CONTRACTOR INVOICE SET 31
1910	7027		1.0	2.00E-22 N24942:	N24942.1	EST_HUMAN	yx73d05.s1 Soares melanocyte 2NDHM Homo sapiens curva cignie image: 2013093
270	1	3776	2	2 ME-22 P24918		SWISSPROT	IMMEDIATE EARLY GENE 13 PROTEIN PRECURSOR
2410		16110		2,000			PRACES
							Homo sapiens protein kinase, AMP-acevared, gamma s non-catalyric subunit (1 14000).
3373	8516	13623	4.1	2.00E-22	8394043 NT	N <sub>1</sub>	mRNA
		3000	2	2 DOE 22 BE8728 1	-	NAMIN TSE	G4789 Fetal heart Homo saplens cDNA clone G4789 5' end
3007	07.20	13066	9.0	1.00			The second of the second popular souls
4133	9259	14340	1.3	2.00E-22	2.00E-22 AW817794.1	EST_HUMAN	PM1-ST0262-261199-001-012 ST0262 From Sabins Curv
2		10393	0.8	1.00E-22	1.00E-22 AW886543.1	EST_HUMAN	RC1-OT0083-220300-021-c07 OT0083 Homo sapiens CUNA
3	2374	1000	28	1 00=-22		EST HUMAN	RC1-OT0083-220300-021-c07 OT0083 Homo sapiens cDNA
9	,25	1989	1		l		The colors of the selection of the colors of
200	2022	403E 6055 13141	<b>D</b>	1 201-3	1 00F-22 AW865517.1	EST HUMAN	IPWA-SNOOZO-010400-009-noz ONOOZO nomo sapiena cores

	Macaca fuscata mRNA for Testis-Specific Protein Y (TSPY), complete cus	NT	6.00E-24 AB001421.1	6.00E-24	0.8	<u> </u>	7	690
	L	EST HUMAN	AW937954.1	7.00E-24	1.3		П	3796
	OLFACTORY RECEPTOR-LIKE PRO-	SWISSPROT	P23269	8.00E-24	1.1	14758		4549
	OLFACTORY RECEPTOR-LINE PRO	SWISSPROT	P23269	8.00E-24	1.1	14757	9668	4549
		EST_HUMAN	AA663213.1	9.00E-24	0.6		5703	540
	Homo sapiens chromosome z i segment noziron entene con con interes 1852758 3'	Z	AL163210.2	1.00E-23	4.5		9769	4657
	Homo sapiens chromosome 21 segment Hoz 1Cook	3	AL163252.2		1.6	14642		4428
		EST_HUMAN	H59931.1	2.00E-23	3.0	14122	9029	3894
	yr16a02.r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:205418 5'	EST_HUMAN	H59931.1	2.00E-23	3.0	14121	9029	3894
	MR3-HT0487-150200-113-g01 H10487 Homo sapiens CUNA	EST HUMAN	2.00E-23 BE165980.1	2.00E-23	3.0		8794	3655
	SEQUENCE.;	EST_HUMAN	AI201458.1	2.00E-23	1.5		8469	3325
	qs73f11.x1 NCI_CGAP_P/28 Homo sapiens cDNA cione IMAGE:1943/3/ 3 SIMIJET ID						$\neg$	
	TENASCIN-X PRECURSOR (TN-X) (HEXABRACHION-LIKE)	SWISSPROT	P22105		:1		Т	2765
	TENASCIN-X PRECURSOR (TN-X) (HEXABRACHION-LIKE)	SWISSPROT	P22105	2.00∈-23	1.1	13051	7	2765
	Human matrix Gis protein (MGP) gene, complete cds	NT	M55270.1	2.00E-23 M55270.1	0.9	П	П	1126
	Homo sapiens KIAA0851 gene (partial), XT3 gene and LZ11-L1 gene	NT	AJ289880.1	2.00E-23	1.5	10934	П	g g
	-	NT	AL163249.2	6.00E-23	3.1	14378	Т	4171
	Rattus norvegicus RIM1B (Rim1B) mRNA, complete cds	NT	AF199333.1		1.6	T	7	3387
		EST_HUMAN	AA189080.1	7.00E-23	1.8	11971	6795	2800
	zn45b06:s1 Stratagene hNT neuron (#937233) Homo sapiens cDNA clone IMAGE:632627 3'	N.	AF 180348.1	8.00E-23	0.8	13768	8664	3523
	Colling Colling Coche archain (Cache) mRNA complete cds	2	D14547.1	1.00E-22	1.7	Γ	П	3365
	Human ramilial Auzheimer's disease (S i Mz) gerier, will prove was	Z	U50871.1		1.0	12835	7635	2539
	zq76f11.r1 Stratagene hNT neuron (#90 similar to SW:VPRT_HUMAN P10265 I	EST_HUMAN	AA199812.1		0.5		7943	2400
	PM4-SN0020-010400-009-noz SN0020	EST HUMAN	AW865517.1	1.00E-22	0.6	12141	6955	1836
	RC1-OT0083-220300-021-c07 O10083	EST_HUMAN	AW886543.1	1.00E-22	0.8		$\Box$	63
•	RC1-OT0083-220300-021-c07 O10083	EST_HUMAN	AW886543.1		0.8	10393		ಟ
		EST_HUMAN	AW817794.1	2.00E-22	1.3		╗	4133
		EST_HUMAN	R58726.1	2.00∈-22	0.9		П	3587
	Homo sapiens protein kinase, AMP-activated, gamma s non-catalytic subulii. (* 1979) mRNA	NT	8394043 NT	2.00E-22	<b>.</b>	13623	8516	3373
	IMMEDIATE EARLY GENE 13 PROTEIN PRECURSOR	SWISSPROT	P24916	2.00E-22	1.3	12776	7574	2476
	yx73d05.s1 Soares melanocyte 2NbHM Homo saptens cDNA clone IMAGE::257369 3	EST_HUMAN	N24942.1	2.00E-22 N24942.1	1.0		П	1910
	gb28c07.x1 Soares_pregnant_uterus_Nonro nomo saprens contro conte invocation of similar to contains MER12.12 MER12 repetitive element;	EST_HUMAN	AI090125.1	3.00E-22	2.7	14906	9807	4695
	The series of th							

hd02e12.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2908366 3'	EST_HUMAN	AW340153.1	7.00E-26	2.0	14277	9194	4067
H.sapiens DNA for endogenous retroviral like element	TN	X89211.1	7.00E-26	1.4	14126	9033	3898
Homo saplens X-linked anhidrolitic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat regions	NT	AF003528.1	7.00E-26	0.5	11853	6686	1559
	NT	AL163218.2	9.00E-26	0.7	12738	7532	2433
PM1-HT0454-080100-002-h09 HT0454 Homo sapiens cDNA	EST_HUMAN	BE162737.1		2.7	14957	9864	4753
ATP SYNTHASE LIPID-BINDING PROTEIN P2 PRECURSOR (ATPASE PROTEIN 9) (SUBUNIT C)	SWISSPROT	Q06055	1.00E-25	2.8	12688	7486	2384
DKFZp434H0313_r1 434 (synonym: htes3) Homo saplens cDNA clone DKFZp434H0313 5'	EST_HUMAN	AL040229.1	1.00E-25	0.6	10670	5539	361
40S RIBOSOMAL PROTEIN S16	SWISSPROT	P17008	2.00E-25	1.9	14306	9222	4096
40S RIBOSOMAL PROTEIN S16	SWISSPROT	P17008	2.00E-25 P17008	1.9	14305	9222	4096
	SWISSPROT	P17008	2.00E-25	1.6	12795	7592	2801
$\sim$ r	EST_HUMAN	AW954060.1	2.00∈-25	1.3	12670	7465	2363
	TN	5032158		1.2	11620	6454	1325
KALLISTATIN PRECURSOR (KALLIKREIN INHIBITOR) (PROTEASE INHIBITOR 4)	SWISSPROT	P29622	_	0.9	15002	9909	4798
Homo sapiens hypothetical protein FLJ20344 (FLJ20344), mRNA	NT T	8923321 NT	3.00E-25	2.7	13532	8423	3278
	NT.	23321	_4	2.7	13531	8423	3278
	EST_HUMAN	BE170957.1	_	3.0		9345	4221
	NT.	7106446 NT	4.00E-25	0.8	14194	9111	3979
	IN	7106446 NT	4.00E-25	0.8	14193	9111	3979
PM3-OT0093-280200-001-g07 OT0093 Homo sapiens cDNA	EST_HUMAN	AW887671.1	4.00E-25	2.8		8499	3356
ye56h04.r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:121783 5	NAMUH_TSE	T98107.1	4.00E-25	0.8	11733	6557	1430
QV2-LT0051-260300-111-f03 LT0051 Homo saplens cDNA	EST_HUMAN	AW838171.1	5.00E-25	1.0	15331	10260	5166
DYNEIN GAMMA CHAIN, FLAGELLAR OUTER ARM	SWISSPROT	Q39575	6.00E-25	5.5		9822	4710
ne92e10.s1 NCI_CGAP_Kid1 Homo sapiens cDNA clone IMAGE:911754 similar to contains MER1.b2 MER1 repetitive element;	EST_HUMAN	AA483944.1	7.00E-25	2.3	15107	10033	4926
Homo sapiens PTEN (PTEN) gene, exon 2	NT	1.00E-24 AF143313.1	1.00E-24	1.6		9299	4173
	NT	D86423.1	1.00E-24 D86423.1	9.0	13242	8139	2987
QV0-ST0294-100400-185-c10 ST0294 Homo sapiens cDNA	EST_HUMAN	AW820194.1	L 5	0.7			2638
Homo sapiens CGI-127 protein (LOC51646), mRNA		7706340	1.00E-24	0.8	11970	6794	1670
RC3-NN0068-090500-021-b03 NN0068 Homo saplens cDNA	EST_HUMAN	AW898189.1		1.0	٠		3729
zt65b06.r1 Soares testis NHT Homo sapiens cDNA clone IMAGE:727187 5'	EST_HUMAN	AA293827.1	2.00E-24	1.0	13475	8364	3216
zp11f09.r1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:609161 5'	EST_HUMAN	AA167539.1		0.8	12610	7402	2298
Homo sapiens 959 kb contig between AML1 and CBR1 on chromosome 21q22, segment 3/3	TN	AJ229043.1	5.00E-24	7.2	14117	9025	3889
Rattus norvegicus RIM1B (Rim1B) mRNA, complete cds	NT	AF199333.1	6.00E-24	2.1	14279	9195	4068
Rattus norvegicus RIM1B (Rim1B) mRNA, complete cds	NT T	AF199333.1		2.1	14278		4068
Homo sapiens chromosome 21 segment HS21C049	NT	AL163249.2	6.00E-24	3.5	11127	5970	820

_	K. Tamus K. TAS III KIVA (Or a positive ingeries	Z	X60658.1	3.00E-27	2.0	12314	7511	1005	_
		EST HOMAN	AW629172.1	7.00E-27	2.1		10124	5023	
	hi51h12x1 Soares_NFL_T_GBC_ST Home sapiens curve during introduction of the control of the contr						┪		_
	Human endogenous renovata element nos	N	Z70664.1	7.00E-27	1.2			88	_
_	Homo sapiens wkn (wkn) gene, complete was	N	AF181897.1	8.00E-27	8.0			3309	-
	(ADENINE NUCLEATION TRANSLOCATOR 3) (ANT 3)	SWISSPROT	P12236	8.00E-27	3.3	13406	8297	3148	
	$\perp$	EST HUMAN	AW864776.1	8.00E-27	1.0	12441	7231	. 2121	_
			AW162737.1	8.00E-27	6.8		6522	1395	
	1	EST_HUMAN	AW162737.1	8.00E-27	6.8	11690	6522	1395	
	Homo sapiens Chromosome 21 segment 1921-1922.	Z	AL163227.2	8.00E-27	1.4			545	- 1
	wideras, i No. Cont. Let e l'en est est est est est est est est est est	EST_HUMAN	AI831462.1	8.00E-27	<b>:</b>	10319	5218	10	<del>- ; - </del>
	Thomas August Cooks 1::40 Homo espiene chung Idone IMAGE:2406150 3' similar to	2	1668491	1.00E-26	6.1		7743	2654	_
	DKFZp434H1910_r1 434 (synonym: htes3) Homo saplens cDNA clone DKFZp434H1910 5		AL039363.2	1.00E-26	1.4	12318		2001	
	QV4-H10538-020300-123-802 F110330 Figure 8 Species Control	EST HUMAN	BE170371.1	1.00E-26	0.8	10459	П	132	-
		N.T	X86694.1	2.00E-26	4.3	13456	П	3183	$\neg$
	DKFZp566L171_s1 568 (synonym: hfkd2) Homo saplens cDNA clone DKFZp566L171 3'	EST_HUMAN	AL038099.2	2.00E-26	1.2		6944	1825	
	Homo sapiens chromosome 21 segment Hoz I Cuoz	N <sub>1</sub>	AL 163282.2	2.00E-26	1.9	10850	5822	666	Т
	TO TR:G695374 G695374 THYROID RECEPTOR INCIDENCE CONTRIBUTION CONTRIBU	EST_HUMAN	AA152464.1	3.00E-26	1.2	13941	8850	3712	
	TO TR:G695374 G695374 THYROID RECEPTOR INTERACTOR;	EST_HUMAN	AA152464.1	3.00€-26	1.2	13940	8850	3712	$\overline{}$
		EST_HUMAN	AA115895.1	3.00E-28	0.9		7102	1987	;
	7730108 rt Stratagene neuroepithelium NT2RAMI 937234 Homo sapiens cDNA clone	EO! HOWAIN	3.00E-26  ALU49895.Z	3.00E-26	0.5	12272	7075	1958	
	ES 133446 Empryo, 12 Week II Trollio Sapielis COIX O Silve DXFZp4341066 5'		4.00E-26 AA328548.1	4.00E-26	1,5		6652	1525	
	Human cleavage and polyadenylation specificity ractor rinker, compress was		U37012.1	5.00E-26 U37012.1	1.8	12976	7778	2692	Т
	WP:F49C12.11 CE03371;	EST HUMAN	A1708235.1	5.00E-26	1.1	11451	6295	1160	
	WP:F49C12.11 CE03371; WP:F49C12.11 CE03371;	EST_HUMAN	AI708235.1	5.00E-26	1.1	11450	6295	1160	
	IMAGE:645271 5' IMAGE:645271 5'	EST_HUMAN	AA206131.1	6.00E-26	1.4	13557	8447	3302	
	gene familles	NT	AF029308.1	6.00E-26	0.9	12499	7287	2178	
	i								

Täble 4

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Human gene for An-receptor, exon 7-9	Z	D38044.1	1.005-28	0.9	11/65	6090	1463
qosocost NC_CGAF_cus Homo sapiens cunA done imAGE:1810483 3 similar to contains L1.b2 L1 repetitive element ;	EST_HUMAN	Al348634.1		0.8	12732	7526	2427
Homo sapiens ITGB4 gene for integrin beta 4 subunit, exons 3-41	2	Y11107.3	2.005-28	3.4	1143/	828±	8411
RC1-BT0254-220300-019-c05 BT0254 Homo sapiens cDNA	EST HUMAN	BE062167.1	_	2.2	10416	5289	83
Homo sapiens metalloprotease-like, disintegrin-like, cysteine-rich protein 2 epsilon (ADAM22) mRNA, complete cds	ı	AF155382.1		0.6		6391	1262
601300703F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3635305 5'	EST_HUMAN	4.00E-28 BE409100.1	4.00E-28	3.4	13320	8221	3070
xn33c09.x1 NCI_CGAP_Kid11 Homo saplens cDNA done IMAGE:2695504 3' similar to SW:GG95_HUMAN Q08379 GOLGIN-95.;	EST_HUMAN	AW195066.1	4.00E-28	0.5	12879	7677	2584
yi89f10.r1 Soares placenta Nb2HP Homo saplens cDNA clone IMAGE:146443 5'	EST_HUMAN	R79762.1	5.00E-28	1.9	14148	9061	3927
wo18c07.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:2455692 3' similar to contains THR.b1 THR repetitive element;	EST_HUMAN	Al921003.1	5.00E-28	1.1		5499	315
Homo sapiens mRNA for KiAA0866 protein, complete cds	NT	AB020673.1	6.00E-28	1.3	14203	9119	3987
Homo saplens mRNA for KIAA0866 protein, complete cds	NT	AB020673.1	6.00E-28	1.3	14202	9119	3987
to12b09.x1 NCI_CGAP_UZ Homo sapiens cDNA clone IMAGE:2178809 3' similar to contains OFR.t1 OFR repetitive element;	EST_HUMAN	Al590115.1		1.2	15293	10214	5118
to12b09.x1 NCI_CGAP_Ut2 Homo sapiens cDNA clone IMAGE:2178809 3' similar to contains OFR.t1 OFR repetitive element;	EST_HUMAN	Al590115.1	9.00E-28	1.2	15292	10214	5118
8182 Human retina cDNA Tsp509l-cleaved sublibrary Homo sapiens cDNA not directional	EST_HUMAN	W23234.1	9.00E-28	1.1	11428	6276	1140
hw17c11.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3183188 3' similar to TR:Q07314 Q07314 SECRETED NEUREXIN III-ALPHA-C PRECURSOR. [3] TR:Q07280 TR:Q07313 ;	EST_HUMAN	BE348399.1	9.00⊑-28	0.8		5331	136
Homo sapiens chromosome 9 duplication of the T cell receptor beta locus and trypsinogen gene families	NT	AF029308.1	1.00E-27	2.8	11742	6565	1438
Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, complete cds)	NT	AB026898.1	1.00E-27	1.4 -	11281	6125	980
Homo saplens chromosome 21 segment HS21C046	NT	AL163246.2	1.00E-27	0.5		5596	429
Rattus norvegicus voltage-gated sodium channel mRNA, complete cds	NT	AF000368.1	2.00E-27	1.1	14159	9077	3944
Homo sapiens jun dimerization protein gene, partial cds; cfos gene, complete cds; and unknown gene	NT	AF111167.2	2.00E-27	1.4	13449	8336	3187
Homo sapiens jun dimertzation protein gene, partial cds; cfos gene, complete cds; and unknown gene	NT	AF111167.2	2.00E-27	1.4	13448	8336	3187
hi51h12.x1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:2975879 3' similar to TR:O76040 O76040 ORF2: FUNCTION UNKNOWN.;	EST_HUMAN	AW629172.1	2.00E-27	10.3		8222	3071
nk01b10.s1 NCI_CGAP_Pr11 Homo sapiens cDNA clone IMAGE:1000699 similar to gb:M17886 60S ACIDIC RIBOSOMAL PROTEIN P1 (HUMAN);	EST_HUMAN	AA565345.1	2.00E-27	6.7		6971	1853
Homo sapiens aipha NAC mRNA, complete cds	NT	AF054187.1	2.00E-27	8.0	10352	5245	36
PM0-BT0527-090100-001-d11 BT0527 Homo saplens cDNA	EST_HUMAN	3.00E-27  BE071924.1	3.00⊑-27	1.3	14381	9300	4174

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1 MER1 rep	EST_HUMAN	1.00E-30 AW468897.1	1.00E-30	0.6	10813	5691	527
hd30b04.x1 Soares NFL T GBC S1 Homo sapiens cDNA done IMAGE:2910991 3' similar						3	1
C18939 Human placenta cDNA (TFujiwara) Homo sapiens cDNA done GEN-570C01 5	EST HUMAN	1.00E-30 C18939.1	1.00E-30	3.5	10801	Т	200
601118860F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:3029438 5	EST_HUMAN	2.00E-30 BE298945.1	2.00€-30	1.7	14879	╗	4668
601119860F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:3029438 5	EST_HUMAN	BE298945.1		1.7	14878	9780	4668
UI-H-BI1-afo-c-12-0-UI.s1 NCI_CGAP_Sub3 Homo sapiens cDNA clone IMAGE:2722558 3'	EST_HUMAN	AW206581.1	2.00E-30	2.1	13951	8858	3721
Homo sapiens Y-linked zinc finger protein (ZFY) gene, complete cas	Ŋ	AF114156.1	2.00E-30	6.4	13141	8046	2889
RC5-HT0582-110400-013-H08 HT0582 Homo sapiens cUNA	EST HUMAN	BE175877.1	2.00E-30	2.1	11766	6591	1464
HSC23F051 normalized Infant brain cDNA Homo sapiens cDNA clone C-23TU3	EST_HUMAN	F08688.1	2.00E-30	0.8		620S	1068
CM0-CT0307-310100-158-h03 CT0307 Homo sapiens CUNA	EST_HUMAN	2.00E-30 AW857315.1	2.00E-30	1.2	10943	5815	659
	NT	AF128893.1		0.9	13927	8836	3697
qq93c05.x1 Soares_total_fetus_NB2HF6_9W Homo sapiens culvix cione invixise: issoszu s similar to contains MER29.b2 MER29 repetitive element;	EST_HUMAN	Al338551.1	3.00E-30	0.6		6270	1134
QV3-DT0043-090200-080-c06 DT0043 Homo sapiens culva	EST_HUMAN	AW937471.1	4.00E-30	0.6	12413	7207	2096
	EST_HUMAN	AW937471.1	4.00E-30	0.6	12412	7207	2096
contains Alu repetitive element		Al399992.1	5.00E-30	31.2	14152	9065	. 3931
						200	٤
QV0-BN0147-290400-214-f12 BN0147 Homo sapiens cDNA	EST HUMAN	BE008028.1		2.4	13410	3 3	2152
Human mRNA for Integrin alpha subunit, complete cds	NT	D25303.1		1.3	12037	6859	1736
Human lambda-immunoglobulin constant region complex (germline)	NT	X51755.1		1.0		6676	1548
PM4-BT0724-150400-004-d11 BT0724 Homo sapiens cDNA	EST_HUMAN	BE091133.1		1.2		6625	1499
Homo sapiens chromosome 21 segment HS21C068	NT	AL163268.2		2.0	14387	93 88	4182
EST374282 MAGE resequences, MAGG Homo saplens cDNA	EST_HUMAN	AW962209.1		0.5	11801	6729	1602
EST374282 MAGE resequences, MAGG Homo sapiens cDNA	EST_HUMAN	AW962209.1		0.5	11800	6728	1602
Wr65d10.x1 NCI_CGAP_Ut1 Homo sapiens cunA dorie Inglyce:2492303 3 silliller W TR:015546 O15546 HERV-E ENVELOPE GLYCOPROTEIN;	EST_HUMAN	Al963604.1	2.00E-29	2.2	11811	8643	1516
Wr65d10.x1 NCI_CGAP_Ut1 Homo sapiens cDNA cione IMAGE:2492500 3 SITTINEO 15546 O15546 HERV-E ENVELOPE GLYCOPROTEIN :	EST_HUMAN	AI963604.1	2.00E-29	2.2	11810	6643	1516
protein RIC-6	3	AF084869.1	2.00E-29	1.4	10773	5649	484
	NT	AF084869.1	2.00E-29	1.4	10772	5849	<b>4</b>
	NT	AB042297.1		1.5	14528	9440	4317
cn15c02.x1 Normal Human Trabecular Bone Cells Homo sapiens curva cicile NHTBC_cn15c02 random	EST_HUMAN	AI752367.1	4.00E-29	1.7		8343	3194
	NT	AL163203.2	5.00E-29	1.0		10035	4928
element:	EST HUMAN	A1936748.1	6.00E-29	2.2	10857	5740	580
wp69b01.x1 NCI_CGAP_Bm25 Homo saplens cDNA clone IMAGE:2466985 3' similar to TR:015475 O15475 UNNAMED HERV-H PROTEIN ;contains LTR7.b1 LTR7 repetitive		-					
EST378521 MAGE resequences, MAGI Homo sapiens cDNA	EST_HUMAN	AW966447.1		0.9	11881	6710	1584
complete ads	NT	AF000995.1	1.00E-28	1.0	12939	7739	2650

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1840	i de de	1640	16	2391	2292	2167	1875	4303	3055	2550	2759	1775	1594	581	5026	5026	185	185	3827	3625	3198	3198	2633	2633	694	2362	1060	3015	2973	2165	699
6766	6766	6766	5224	7491	7396	7276	6993	9427	8206		7843	П	6720	5741		_	5379	Т	8964	8764	8347	8347	7722	Г	5849	7464	6199	-1	T	T	5854
11937	11936	11935	10326	12696	12606	12487	12179	14517		12846	L		11889		15201	15200	10506	10505	14063		13461	13460	12925	12924			11352		П	T	10989
0.7	0.7	0.7	2.8	1.6	0.8	1.3	0.7	1.4	1.1	0.5	1.4	0.9	1.0	1.3	1.7	1.7	1.0	1.0	11	2.8	4.5	4.5	0.6	0.6	0.6	1.9			T	7	1.0
1.00E-31	1.00E-31	1.00E-31	1.00E-31	2.00E-31	2.00E-31	2.00E-31	2.00E-31	3.00E-31	3.00E-31	3.00E-31	4.00E-31	4.00E-31	4.00E-31	4.00E-31	5.00E-31	5.00E-31	5.00E-31	5.00E-31	6.00E-31	6.00E-31	6.00E-31	6.00E-31	7.00E-31	7.00E-31	7.00E-31	8.00E-31	8.00E-31	1.00E-30	1.00E-30	1 00= 30	1.00E-30
095371	095371	095371	U93163.1	AA458824.1	AL119245.1	AI393388.1	AW838171.1	AI936829.1	4505752	6005871 NT	5730038 NT	AL163280.2	Q10473	AJ271735.1	8924243 NT	8924243 NT	M60694.1	M60694.1	AW067805.1	AF223391.1	AW881551.1				_	AL16320		AA31504	5803091 NT	_	AL 163203.2
SWISSPROT	SWISSPROT	SWISSPROT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT .	T	T	NT	SWISSPROT	NT	NT	NT	TN	T.N.	EST_HUMAN	NT	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	NT	3	EST HUMAN	1 NT		ZT T
OLFACTORY RECEPTOR 2C1	OLFACTORY RECEPTOR 2C1	OLFACTORY RECEPTOR 2C1	Homo saplens MAGE-B2 (MAGE-B2), MAGE-B3 (MAGE-B3), MAGE-B4 (MAGE-B4), and MAGE-B1 (MAGE-B1) genes, complete cds	aa88/11.s1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:838413 3' similar to contains THR.12 THR repetitive element ;	DKFZp761G1513_r1 761 (synonym: hamy2) Homo saplens cDNA clone DKFZp761G1513 5'	tg44g05.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA done IMAGE:2111672 3'	QV2-LT0051-260300-111-03 LT0051 Homo sapiens cDNA	wp70a02.x1 NCI_CGAP_Bm25 Homo sapiens cDNA clone IMAGE:2467082 3' similar to TR:060794 O60794 DJ393P12.2 ;	Homo sapiens phosphogivoerate mutase 1 (brain) (PGAM1) mRNA	Homo sapiens SEC63, endoplasmic reticulum transfocon component (S. cerevisiae) like (SEC63L), mRNA	Homo saplens SET domain and mariner transposase fusion gene (SETMAR) mRNA	Homo sapiens chromosome 21 segment HS21C080	POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE (PROTEIN-JDP ACETYLGALACTOSAMINYLTRANSFERASE) (JDP-GALNAC:POLYPEPTIDE, N-ACETYLGALACTOSAMINYLTRANSFERASE) (GALNAC-T1)	Homo sapians Xq pseudoautosomai region; segment 1/2	Homo sapiens hypothetical protein SIRP-b2 (SIRP-b2), mRNA	Homo saplens hypothetical protein SIRP-b2 (SIRP-b2), mRNA	Homo sapiens type i DNA topoisomerase gene, exon 8	Homo saplens type I DNA topoisomerase gene, exon 8	cn19d07.x1 Normal Human Trabecular Bone Cells Homo sapiens cDNA cione.  NHTBC_cn19d07 random		~II	RC4-OT0037-150200-011-q08 OT0037 Homo saplens cDNA	hw05a11.x1 NCI CGAP Lu24 Homo sapiens cDNA clone IMAGE:3182012 3		EST84555 Colon adenocarchoma IV Homo sapiens cDNA 5' and		Homo sapiens hypothetical protein El 190490 /El 190490) menua	EST186868 HCC cell line (matastasis to liver in mouse) il Homo sapiene china si cel	Homo seriens methicine emigrocodidade de 2 constitut de 1888, 1888		Illama ataliana ataliana na manana n

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8	4761	1074		1073	4382		2498	2370		2078	1112	2226	1856	1856	3676	3204	212	2	54	52	3435	4783	448	915	018	2702		4754	2032		2835	4535	4535 5	
5225	9872	Г		3	95g		Т	7472		7190	6249	7333	6974	6974	815	2002		7226	5263	5263	8577	9893	5614	6061	6158	1/88		9865	7145		7986	9654	9654	
	14967	Γ			14589		12797			12393			1212B	12108			10.7	12434	10383	10382		14986	10745		11311	90871	3	14958	1234/			14742	14/41	
0.8	3.1	1.2		1.5	1.6		1.4	2.7		0.6	3.3	1.3	1.4		0.8		130	10	0.7	0.7	5.0	8.0	1.2	0.0	200	0.0	9	1.2	7.6	3	1.0	1.0	1.5	<b>.</b>
2.00E-33	3.002-33	3.00E-33		3.00E-33	4.00E-33	0000	4.00E-33	4.00E-33		4.00E-33	4.00E-33	5.008-33	0.000	E 00E 33	5 ODE-33	EE-300 8		7.00E-33	7.00E-33	7.00E-33	1	Z.00E-32	1			_	cr_300 8	7.00E-32	0.000		9.00E-32		1.005-01	
Al160189.1	ABUSSS46.			BE350127.1	WAA CBOOLE	AW/202340 1	AL163210.2	AA626621.1		4/5890/	AL163207.2	AL 100203.2	VI 463386 3	4507208 NT	4507208 NT	AI 163285.2	AW971307.1	Al590115.1	INIOEZIENE	5031736 NI	BE327112.1	05.20010.1	DE306813.1	V47203 1	VI 183248 2	AE116627 1	A1478104.1	P52591	200001	AI058770.1	U50871.1	AL134376.1	TE 104010.	AI 134376 1
EST_HUMAN	141	NT 1 TOWN	EST HIMAN	EST_HUMAN	101	EST HUMAN	Z	EST_HUMAN		N	2		T	N	JB NT		EST HUMAN	EST_HUMAN	ON	ON	EST HUMAN		EST HUMAN	Z	Z	NT.	EST HUMAN	SWISSPROT		EST HUMAN	Z	EST_HUMAN		EST HUMAN
similar to contains OFR.t1 OFR repetitive element:	aberang vi Spares fatal heart NbHH19W Homo saplens cDNA clone IMAGE:1705204 3'	Homo saniens TCL6 gene, exon 12	htt9g01.x1 NCI_CGAP_Kid13 Homo sapiens curva cidile invoce o recession contains MER29.b3 MER29 repetitive element;	contains MER29.b3 MER29 repetitive element :	ht09c01.x1 NCi_CGAP_Kid13 Homo sapiens cDNA done IMAGE:3146256 3' similar to	UI-H-BI2-ahl-c-03-0-UI.s1 NCI_CGAP_Sub4 Homo sapiens cDNA clone IMAGE:2727149 3"	Homo sapiens chromosome 21 segment 13215010		ab51b11.r1 Stratagene lung cardinoma 937218 Horno saplens cDNA clone IMAGE:844317 of similar to contains Alu repetitive element; contains MER28.b2 MER28 repetitive element;	TOTIO September 1997	Domo seriene BAB1 member RAS oncodene family (RAB1) mRNA	Homo series chomosome 21 seament HS21C007	Homo sapiens chromosome 21 segment HS21C085	Homo sapiens spermidine synthase (SRM) mRNA	Homo sapiens spermidine synthase (SRM) mRNA	Homo sapiens chromosome 21 segment HS21C085	EST383396 MAGE resequences, MAGL Homo sapiens CUNA	contains OFR.11 OFR repetitive element;		Homo espiene short-chain alcohol dehydrogenase family member (HEP27) mRNA	TR:088539 088539 WW DOMAIN BINDING PROTEIN 11.:	hw07c05.x1 NCI CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3182216 3' similar to	601173631F1 NIH MGC 17 Homo sapiens cDNA clone IMAGE:3529159 5	Homo sapiens FLI-1 gene, partial		Homo sapiens PRO1181 mRNA, complete cds	contains MER29 (3 MER29 repetitive element :	PROTEIN OF 121 KD) (P145)	NUCLEAR ENVELOPE PORE MEMBRANE PROTEIN POM 121 (PORE MEMBRANE	0215809.X1 302168_16481_1848_0Provid_1718 ===================================	Human tarrilled Nazieuries a Goode (C. 1117) 81 Home sapiens cDNA clone	UNITED ATTEMPTS disease (STM2) cane. complete cds	hfbrd) Homo sapiens cDNA done DKFZp547B235 5'	DKFZp547B235_r1 547 (synonym; mar i ) nomo sopiema como como

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Homo septens Grb2-associated binder 2 (KIAA0571) mRNA	Z	6912459 NT	2.00=35	.10	13523	8417	3272
		2042450	30000	40	3403	7380	3474
Homo sapiens Grb2-associated binder 2 (KIAA0571), mRNA	NT	6912459 NT		0.7	11491	6335	1203
A971F Heart Homo saplens cDNA clone A971	EST_HUMAN	T11909.1		1.3	11460	6305	1171
K6932F Human fetal heart, Lambda ZAP Express Homo sapiens cDNA clone K6932 5' similar to REPETITIVE ELEMENT	EST_HUMAN	N88965.1	2.00E-35	0.6	10434	7881	103
Homo sapiens phospholipid scramblase 1 gene, complete cds	3	AF224492.1	3.00E-35	0.9		7389	2283
601125260F1 NIH_MGC_8 Homo sapiens cDNA clone IMAGE:3345063 5	EST HUMAN	BE268182.1	3.00E-35	3.5	11858	6688	1561
601300705F1 NIH_MGC_21 Homo sapiens cDNA done IMAGE:3635401 5'	EST_HUMAN	BE409102.1	4.00E-35	1.3		10142	5042
similar to contains PTR5 repetitive element;	EST_HUMAN	Н91193.1	4.00E-35	1.9	12084	6897	1776
100000 10 10000 100 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 100000 100000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10			_	!			
601109719F1 NIH MGC 16 Home sapiens cDNA clone IMAGE:3350405 5	EST HUMAN	BE257907.1		5.4	11718	6543	1415
thrombospondin3 (THBS3) gene, partial cds	N <sub>T</sub>	AF023268.1	5.00E-35	2.2	14524	9434	4311
Homo sapiens cik2 kinase (CLK2), propin1, cote1, glucocerebrosidase (GBA), and metaxin genes, complete cds; metaxin pseudogene and glucocerebrosidase pseudogene; and							
H.sapiens immunoglobulin kappa light chain variable region L14	NT	X63392.1	5.00E-35	0.8	11986	6805	1681
Homo sapiens zinc finger protein 208 (ZNF208), mRNA	NT	6005975 NT	6.00E-35	0.6	12231	7042	1925
ah53h03.s1 Soares_testis_NHT Homo saplens cDNA clone 1309397 3'	EST_HUMAN	AA757115.1	6.00E-35	1.3	11686	6518	1391
Homo saplens prohibitin (PHB) mRNA	NT	6031190	8.00E-35	8.3		5411	219
	EST_HUMAN	AW663302.1	9.00E-35	1.3	13828	8733	3594
MR0-CT0068-280999-002-d11 CT0068 Homo saplens cDNA	EST_HUMAN	AW845706.1	1.00E-34	0.9		10027	4920
RC2-BT0506-240400-016-h08 BT0506 Homo sapiens cDNA	EST_HUMAN	BE071414.1	1.00E-34	4.0		8503	4381
flanking repeat regions	NT	AF003528.1	1.00E-34	1.5	13852	8760	3621
Homo saplens X-linked anhidroitic ectodermal dysplasia protein gene (EDA), exon 2 and							
ADP ATP CARRIER PROTEIN, LIVER ISOFORM T2 (ADP/ATP TRANSLOCASE 3) (ADENINE NUCLEOTIDE TRANSLOCATOR 3) (ANT 3)	SWISSPROT	P12236	1.00E-34	3.1	11786	6615	1488
Homo sapiens hypothetical protein FLJ10989 (FLJ10989), mRNA	NT	8922807 NT	4.00E-34	1.0	12973	7774	2687
	EST_HUMAN	AI804667.1	4.00E-34	0.8	12267	7070	1953
Human splicing factor SRp55-1 (SRp-55) mRNA, complete cds	NT	U30883.1	5.00E-34	4.0	15163	10096	4993
EST188123 HCC cell line (matastasts to liver in mouse) II Homo saplens cDNA 5' end similar to similar to sKD3	EST_HUMAN	AA316404.1	5.00E-34	1.1		9485	4363
Homo saplens Npw38-binding protein Npw8P (LOC51729), mRNA	NT	TN 0059077	5.00E-34	0.8		6956	1837
Human G2 protein mRNA, partial cds	NT	U10991.1	6.00E-34	1.5	10758	5628	463
Human G2 protein mRNA, partial cds	TN	U10991.1		1.5	10757	5628	463
yd15e05,r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:108320 5'	EST_HUMAN	170845.1	7.00E-34	0.7	11730	6554	1427
Homo sapiens X-linked anhidroltic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat regions	T	AF003528.1	1.00E-33	1.4		5216	8
	EST_HUMAN	AA626683.1	2.00E-33	5.1	15097	10018	4911
MR0-HT0405-160300-202-d08 HT0405 Homo sapiens cDNA	EST_HUMAN	2.00E-33  BE159039.1	2.00E-33	4.3		9445	4322

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	2820020.5prime NIH_MGC_7 Homo sapiens cDNA done IMAGE:2820020.5	┙		4.00E-36	0.6	. 192	7284	2175	Т
	BO1208574E1 NIH MCC 10 Homo content cDNA clone IMAGE:3828388 5	NAMIN TOR	RE382574 1	•	08	11831	A750	ACA :	T
	RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE : ENDONUCLEASE]	SWISSPROT	P10266	4.00E-36	0.6	11728	6551	1424	
٠	PM3-BN0176-100400-001-g04 BN0176 Homo sapiens cDNA	EST_HUMAN	BE010038.1	4.00E-36	1.4	11493	6337	1205	
	Homo sapiens API5-like 1 (API5L1), mRNA	NT	5729729	5.00E-36	1.4	14891	9790	4678	
	Homo sapiens API5-like 1 (API5L1), mRNA	NT	5729729 NT	5.00E-36	1.4	14890	9790	4678	П
	Homo saplens chromosome 21 segment HS21C009	NT	AL163209.2	5.00E-36	2.0	13796	8700	3561	П
	601285567F1 NIH_MGC_44 Homo sapiens cDNA done IMAGE:3607289 5'	EST_HUMAN	BE388436.1	5.00E-36	2.8	13010	7806	2722	
	Homo sapiens Xq pseudoautosomai region; segment 1/2	NT	AJ271735.1	5.00E-36	2.3	10460	5329	133	
	Homo saplens TCL6 gene, exon 12	NT	AB035346.1	6.00E-36	2.2		7469	2367	
	Homo saplens ninjurin 2 (NINJ2), mRNA	NT	7706622	6.00E-36	0.7	12273	7076	1959	
	Homo saplens C-terminal binding protein 2 (CTBP2) mRNA	NT	4557498	7.00E-36	4.0		8231	3080	
	CM1-CT0315-091299-063-d07 CT0315 Homo saplens cDNA	EST_HUMAN	AW857579.1	7.00E-36	0.9	13154	8051	2900	
	Mus musculus activin receptor interacting protein 1 (Arip1-pending), mRNA	NT	7656905	1.00E-35	4.7	14536	9448	4325	
	Mus musculus activin receptor interacting protein 1 (Arip1-pending), mRNA	NT	7656905 NT	1.00E-35	4.7	14535	9448	4325	
	Homo sapiens transcription elongation factor B (SIII), polypeptide 1-like (TCEB1L) mRNA	NT	6006030 NT	1.00E-35	1.1	13358	8254	3104	
	y/32c04.s1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:140934 3'	EST_HUMAN	R67324.1	1.00E-35	5.6	13348	8245	3094	
	lyi32c04.s1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:140934 3'	EST_HUMAN	R67324.1	1.00E-35	5.6	13347	8245	3094	$\Box$
	ht09g01.x1 NCI_CGAP_Kid13 Homo sapiens cDNA clone IMAGE:3146256 3' similar to contains MER29.b3 MER29 repetitive element;	EST_HUMAN	BE350127.1	1.00E-35	1.1	13029	7824	2740	
	ht09g01.x1 NCI_CGAP_Kid13 Homo sapiens cDNA clone IMAGE:3146256 3' similar to contains MER29 b3 MER29 repetitive element;	EST_HUMAN .	BE350127.1	1.00E-35	1.1	13028	7824	2740	
	Homo sapiens hypothetical protein (LOC51233), mRNA	NT	7705994 NT	1.00E-35	0.8	12794	7591	2495	
	yd93a01.r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:115752 5' similar to SP:A44282 A44282 RETROVIRUS-RELATED FOL POLYPROTEIN - HUMAN;	EST_HUMAN	T87947.1	1.00E-35	1.2		6039	891	
	IL2-ST0162-131099-008-d12 ST0162 Homo saplens cDNA	EST_HUMAN	AW389473.1	1.00E-35	15.0	11033	5889	735	
	IL2-ST0162-131099-008-d12 ST0162 Homo saplens cDNA	EST_HUMAN	1.00E-35 AW389473.1	1.00E-35	15.0	11032	5889	735	
	fmfc16 Regional genomic DNA specific cDNA library Homo sapiens cDNA clone CR12-1	EST_HUMAN	AA631949.1	1.00E-35	1.5	10361	5250	40	
	fmfc16 Regional genomic DNA specific cDNA library Homo sapiens cDNA clone CR12-1	EST_HUMAN	AA631949.1	1.00E-35	1.5	10360	5250	40	
	yq19a12.r1 Soares fetal liver spleen 1NFLS Homo saplens cDNA clone IMAGE:274079 5'	EST_HUMAN	H49239.1	2.00E-35	2.6		9688	4570	- 7
	TCBAP2E4328 Pediatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC project=TCBA Homo saplens cDNA clone TCBAP4328	EST_HUMAN	BE247575.1	2.00E-35	1.1	14072	8972	3835	
	TCBAP2E4328 Pediatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC project=TCBA Homo sapiens cDNA clone TCBAP4328	EST_HUMAN	BE247575.1	2.00E-35	1.1	14071	8972	3835	
	Homo sapiens mRNA for KIAA0895 protein, partial cds	NT	AB020702.1	2.00E-35	0.9		8652	3511	T
	Homo saplens Grb2-associated binder 2 (KIAA0571), mRNA	NT	6912459 NT	2.00E-35	1.0	13524	8417	3272	7

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Homo sapiens homeobox protein CDX4 (CDX4) gene, complete cds and flanking repeat regions	NT	AF003530.1	3.00⊑-38	1.6		7165	2053
nn54f12.s1 NCI_CGAP_Kld6 Homo sapiens cDNA clone IMAGE:1087727 3'	EST_HUMAN	AA582476.1	4.00E-38	1.4		6903	1783
B.taurus mitochondrial aspartate aminotransferase mRNA, complete CDS	NT	Z25466.1	4.00E-38  Z25466.1	2.6	10442	5314	113
B.taurus mitochondrial aspartate aminotransferase mRNA, complete CDS	NT	Z25466.1	4.00E-38	2.6	10441	5314	113
Homo sapiens RiBiIR gene (partial), exon 8	NT	AJ237740.1	5.00E-38	0.7	12710	7503	2404
EST383908 MAGE resequences, MAGL Homo sapiens cDNA	EST_HUMAN	AW971819.1	5.00E-38	1.2	11000	5864	710
	EST_HUMAN	AW972825.1		1.4	12452	7245	2135
iomo sapiens ribonuclease III (RN3) mRNA, complete cds	NT	AF189011.1	1.00E-37	22.5	.14109	9014	3878
Homo saplens chromosome 21 segment HS21C081	NT	AL163281.2	1.00E-37	1.3	12360	7154	2041
ze40b05.r1 Soares retina N2b4HR Homo sapiens cDNA done IMAGE:381425.51	EST_HUMAN	AA018293.1	1	0.8	11429	6277	1141
Homo sapiens cytochrome P450, subfamily XXVIIA (sterold 27-hydroxylase, cerebrotendinous xanthomatosis), polypeptide 1 (CYP27A1b) mRNA	NT	4503210 NT	2.00E-37	5.1	14051	8955	3818
Homo sapiens chromosome 21 segment HS21C047	NT	AL163247.2	2.00E-37	0.5	12227	7038	1921
Homo sapiens hypothetical protein FLJ20337 (FLJ20337), mRNA	NT	8923313 NT	3.00E-37	1.0	14285	9199	4072
EST373222 MAGE reseguences, MAGF Homo sapiens cDNA	EST_HUMAN	AW961150.1	3.00E-37	3.0		8087	2936
EST373222 MAGE resequences, MAGF Homo sapiens cDNA	EST_HUMAN	AW961150.1	3.00E-37	0.6		7563	2465
DKFZp434L2418_r1 434 (synonym: htes3) Homo saplens cDNA clone DKFZp434L2418	EST_HUMAN	AL048956.1	3.00E-37	1.0	12288	7085	1970
DKFZp434L2418_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434L2418	EST_HUMAN	AL048956.1	3.00E-37	1.0	12287	7085	1970
EST52g10 WATM1 Homo sapiens cDNA clone 52g10 similar to human STS G04101	EST_HUMAN	N62051.1	4.00E-37	1.1		10255	5160
zl90b04.s1 Soares_fetal_liver_spleen_1NFLS_S1 Homo saplens cDNA clone IMAGE:448015		AA702794.1	4.00E-37	0.8	12677	7476	2374
DKFZp434E0422_r1 434 (synonym: htes3) Homo saplens cDNA clone DKFZp434E0422 5'	EST_HUMAN	AL042800.1	7.00E-37	0.9		6392	1263
Homo sapiens mRNA for KIAA0877 protein, partial cds	NT .	AB020684.1	8.00E-37	1.4	15313	10238	5143
UI-H-BI1-adt-e-09-0-UI.s1 NCI_CGAP_Sub3 Homo saplens cDNA clone IMAGE:2718041 3'	EST_HUMAN	AW205546.1	1.00E-36	1.3	12474	7265	2155
RC1-HT0217-131199-021-h07 HT0217 Homo sapiens cDNA	EST_HUMAN	BE146523.1	1.00E-36	0.9	12417	7209	2098
RC1-HT0217-131199-021-h07 HT0217 Homo saplens cDNA	EST_HUMAN	BE146523.1	1.00E-36	0.9	12416	7209	2098
601300938F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3635480 5'	EST_HUMAN	BE409310.1	1.00E-36	0.7	11175	6015	867
QV0-OT0030-240300-174-h04 OT0030 Homo sapiens cDNA	EST_HUMAN	AW880376.1	2.00E-36	4.6	15066	9984	4877
601106343F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3342706 5'	EST_HUMAN	BE259267.1		2.7	13389	8281	3132
601193463F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3537590 5'	EST_HUMAN	BE267054.1	2.00E-36	1.8	13258	8157	3005
	NT	7662401 NT	3.00€-36	0.9	12565	7358	2252
Homo sapiens neurexin III-alpha gene, partial cds		AF099810.1	3.00E-36	0.9	10969	5836	661
601282266F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3604168 5'	EST HUMAN	BE389299.1		3.2	13569	8455	3310
44 Homo sa	EST HUMAN	BE389299.1		3.2	13568	8455	3310
1047501.X1 Soares NEL T GBC S1 Homo sapiens cONA clone IMAGE:2111881.3	HOMAN HOMAN	Al392661.1	4.00E-36	0.9	12992	7792	2707

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1834	2561	2696		2696	3	3847	3004	4398	4250	3892	1433	1215	1215	543	4604	4561	4561	2082	2802	1514	1497	1497	2587	1930	1513	1015	894	879	4902	41	41
6953	7655			7782	Т	Т	8156	9375	9375		6560	6345	6345		. 9718		9679	7954	7954	6641	6623	6623				6155		6027	10009	5251	5251
12139	12858			12981				14455	14455	14118	11737	11504	11503	10826	14811	14772	14771	13063	13062	11807	11794	11793	12881	12239					15089	10364	10363
1.4	0.7	1.4		1.4	!	2.4	1.0	1.1	0.8	3.6	1.8	3.5	3.5	0.6	8.6	5.5	5.5	1.8	1.8	1.8	0.6	0.6	0.6	10.0	3.7	1.2	5.9	1.4	2.7	3.8	3.8
4.00E-40	5.00E-40	6.00E-40		6.00E-40		8,00E-40	8.00€-40	9.00E-40	9.00E-40	9.00E-40	9.00⊑-40	9.00€-40	9.00E-40	9.00⊑-40	1.00∈-39	1.00E-39	1.00∈-39	1.00E-39	1.00E-39	1.00E-39	1.00E-39	1.00E-39	2.00E-39	2.00E-39	2.00E-39	2.00E-39	2.00⊑-39	2.00E-39	3.00⊑-39	3.00E-39	3.00E-39
4.00E-40 AI686005.1	AL163285.2			AA361275.1			AA078165.1	4507848 NT	4507848 NT	AB033070.1	4507512 NT	4755145 NT	4755145 NT	5803210 NT	7657020 NT	AW951995.1	AW951995.1	AI750362.1	AI750362.1	7657020 NT	AJ006345.1	AJ006345.1	AL163248.2	AA720574.1	AW372318.1	AF000573.1	AI525119.1	BE409203.1	AA313045.1	AA631949.1	AA631949.1
EST_HUMAN	2	EST HUMAN		EST_HUMAN		EST HUMAN	EST_HUMAN	BNT	BNT	NT	NT	SNT	NT	NT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	N	NT	N <sub>1</sub>	NT	EST_HUMAN	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
TR:073505 073505 POL PROTEIN.;	Homo sapiens chromosome zi segineni nozi ivvoo	protein family	EST70527 T-cell lymphoma Homo saplens cDNA 5' end similar to similar to zinc finger		EST70527 T-cell lymphoma Homo sapiens cDNA 5' end similar to similar to zinc finger	601288958F1 NIH_MGC_8 Homo sapiens cDNA clone IMAGE:3619166 5'	7H15A04 Chromosome 7 HeLa cDNA Library Homo saplens cDNA clone 7H15A04	Homo sapiens ubiquitin specific protease 13 (isopeptidase T-3) (USP13) mRNA	Homo sapiens ubiquitin specific protease 13 (isopeptidase 1-3) (USP13) mkNA	Homo saplens mRNA for KIAA1244 protein, partial cds	Homo sapiens tissue inhibitor or metalioproteinase 3 (Sorsby fundus dysrophity, pseudoinflammatory) (TIMP3) mRNA	Homo sapiens AE-binding protein 1 (AEBP1) mKNA	-	15	Homo sapiens DKFZp434P211 protein (DKFZP434P211), mRNA	EST364065 MAGE resequences, MAGB Homo sapiens cDNA	EST364065 MAGE resequences, MAGB Homo sapiens cDNA	cn02c10.y2 Normal Human Trabecular Bone Cells Homo sapiens culva cione NHTBC_cn02c10 random	NHTBC_cn02c10 random			Homo sapiens KVLQT1 gene	Homo saplens chromosome 21 segment HS21C048	nw21g02.s1 NCI_CGAP_GCB0 Homo sapiens cDNA clone IMAGE:1241138 3 similar to contains THR.13 THR repetitive element;	PMC-BT0340-211299-003-d02 BT0340 Homo sapiens cDNA	Homo saplens homogentisate 1,2-dloxygenase gene, complete cas	promma-7,D01.r bytumor Homo sapiens cDNA 5	601301607F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3636289 5	EST183920 Pancreas tumor I Homo sapiens cDNA 5' eno similar to similar to giucose transporter	fmfc16 Regional genomic DNA specific cDNA library Homo sapiens cDNA clone CR12-1	fmfc16 Regional genomic DNA specific cDNA library Homo sapiens cDNA clone CR12-1

QV0-HT0367-150200-114-g09 HT0367 Homo sapiens cDNA	EST HUMAN	BE156318.1	4.00E-41	0.7		5554	385	_
		4885636	5.00E-41	1.0		9147	4018	_
	EST_HUMAN	AW843784.1	5.00E-41	1.8	12271	7074	1957	
yc03e10.s1 Stratagene lung (#937210) Homo sapiens cDNA clone IMAGE:79626 3	an i	T62628.1	5.00E-41	1.3	12084		1761	_,
	3	7657042	6.00E-41	0.8	12383		2064	
Homo sapiens DSCR5b mRNA, complete cds	NT	AB037163.1	6.00E-41	0.6	10596		279	
wp04h04.x1 NCI_CGAP_Kid11 Homo sapiens cDNA done IMAGE:2463895 3	EST_HUMAN	AI934364.1	7.00E-41	0.8	11118	7900	811	
	EST_HUMAN	A1934364.1	7.00E-41	0.8	11117	7900	811	_
Homo sapiens CGI-65 protein (LOC51103), mRNA		7705778 NT	1.00E-40	0.9	15082	9999	4892	
	2 NT	4508012 NT	1.00E-40	6.3	14716	9624	4505	•
	2 NT	4507142 NT	1.00E-40	1.8		8405	3258	_
b579a10.y1 NIH_MGC_10 Homo sapiens cUNA cione iMAGE:3046570 5 similar to TR:Q9Z158 Q9Z158 SYNTAXIN 17.;	EST HUMAN	BE018348.1		0.7		7742	2653	
nc09a09.s1 NCI_CGAP_Pr1 Homo sapiens cDNA cione IMAGE:1007608	EST_HUMAN	AA225989.1	1.00E-40	0.6		6013	865	
Homo saplens chromosome 21 segment HS21C080	3	AL163280.2		1.5	15011	9917	. 4807	
Homo sapiens chromosome 21 segment HS21C080	Ŋ	AL163280.2		1.5	15010	9917	4807	_
EST376877 MAGE resequences, MAGH Homo sapiens cDNA	EST_HUMAN	AW964909.1	2.00E-40	6.4	11930	6759	3913	
EST376877 MAGE resequences, MAGH Homo septens cDNA		2.00E-40 AW964909.1	2.00E-40	6.4	11929	6759	3913	_
Homo sapiens adenytyl cyclase-associated protein 2 (CAP2) mRNA	NT ·	5453592	2.00E-40	3.6	13338	8238	3087	_
601121567F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3345784 5'	EST_HUMAN	BE275932.1	2.00E-40	1.1		7747	2658	
Homo sapiens partial TTN gene for titin	NT	AJ277892.1		0.9	12644	7436	2333	-
Homo sapiens adenylyl cyclase-associated protein 2 (CAP2) mRNA	2 NT	5453592		9.0	12442	7233	2123	_
wi90a11.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2514716 3' similar to TR:091929 Q91929 ZINC FINGER PROTEIN. ;	EST_HUMAN	AI968562.1	2.00€-40	1	12339	7139	2026	
Homo saplens proteasome (prosome, macropain) subunit, alpha type, / (PSMA/) mkNA, and translated products		4506188 NT	2.00E-40	0.8	12197	7009	1892	
Homo saplens proteasome (prosome, macropain) subunit, alpha type, / (r>m//) intrivis, and translated products		4506188 NT	2.00E-40	0.8	12196	7009	1892	
EST376877 MAGE resequences, MAGH Homo sapiens CUNA	EST_HUMAN	2.00E-40 AW964909.1	2.00E-40	0.7	11930	6759	1633	
EST376877 MAGE resequences, MAGH Homo saplens cDNA	L	2.00E-40 AW964909.1	2.00E-40	0.7	11929	6759	1633	
x/24e10.x1 NCI_CGAP_Ut4 Homo saplens cDNA clone IMAGE:2761098 3' similar to SW:RS5_MOUSE P67461 40S RIBOSOMAL PROTEIN S5.;	EST_HUMAN	AW303868.1	2.00E-40	0.9		5929	777	
qg52h08.x1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1838847 3	EST_HUMAN	A1223036.1	2.00E-40	4.3		5505	322	
wh12f07.x1 NCI_CGAP_Kid11 Homo saplens cDNA done IMAGE:2380548 3		AI925949.1	3.00E-40	1.0	14253	9168	4040	_
601273576F1 NIH_MGC_20 Homo sapiens cDNA done IMAGE:3614635 5'	EST_HUMAN	3.00E-40  BE386406.1	3.00€-40	0.6	12786	7582	2485	
Homo sapiens rec (LOC51201), mRNA		7705948 NT	3.00E-40	0.5	11975	6797	1673	_
Homo sapiens KIAA0433 protein (KIAA0433), mRNA	NT	7662117	4.00E-40	7.9	14505	9415	4291	_
Homo sapiens X-linked annidrottic eciodermal dyspiasia protein gene (EUA), excit z and flanking repeat regions	NT	AF003528.1	4.00E-40	1.0		7173	2061	
								1

osome 21g22; segment 1/3	line and the costing between AMI 1 and CRR1 on chromosome 21g22; segment 1/3							
	ı		71000400.	4.00	ږ	71811	1618 6/44	1618
	AN contains OFR.51 OFR repetitive element:	HOT HUMAN	A COE A1 AIRONADR 1	200	3		}	
	tm86c04.x1 NCI_CGAP_Bm25 nono sapiens curva dure invade	-						
=:2165958 3' similar to	WAGE: 2165958 3' similar to	1	4.00E-41 [AB000001.1	4.000-41	0.8	11702	1404 6531	140
	Homo saniens dene for activin receptor type ills, compiete cus	7	ADDOGGG4 4		ı			
		EST_HUMAN	4.00E-41 AI027117.1	4.00E-41	<u>ဒ</u> .န	11682	6515	1388
EP TOE. (Contains circus:	3' similar to TR:000597 000597 CYTOCHROME C-LIKE POLTPEP LIDE: ; contains circus.							
TOTION : Contains   TRS h1	ow45e06.s1 Soares_parathyroid_tumor_none sales cores c							
NA COS IMAGE: 1849794		EST_HUMAN	4.00E-41 AI027117.1	4.00E-41	3.4	11681	1388 6515	1388
Epting :contains LTR5.b1	ow45e06.s1 Soares_parathyroid_tumor_non-re- rolling soprets contains LTR5.b1							
NIA Close IMAGE:1849794								

N/31611.X1 NCI_CGAP_LUZ4 Homo sapiens CONA Going INVACE OF TOOLS	EST HUMAN	5.00E-42 BE217913.1	5.00E-42	1.2	10729	7	AZ	_
Homo sapiens Ag pseudodudsdinai region, segment ina		AJ271735.1	5.00E-42	1.9			33	
Alu repellitive element:	T HUMAN	AI284770.1	6.00E-42	1.0		10042	4936	
qu24h09.x1 NCI_CGAP_Br12 Homo sapiens cDNA clone IMAGE:1965/61 Similar to contains						Т		
	EST_HUMAN	AW238656.1	6.00E-42	<u>.</u>		7350	3344	
xx29f08.x1 NCI CGAP HN10 Homo saplens cDNA clone IMAGE:2741789 3' similar to		7. 0.140.1.	0.000	1.2	A1171	6931	1812	_
Homo sapiens phosphatidylinositol 4-kinase 230 (pi4K230) mRNA, complete cds		AE012872 1	_	à i	12110	Т	2101	_
Homo saplens phosphatidylinositol 4-kinase 230 (pl4K230) mknA, complete cus	N.T	AF012872.1	6 00E-42	13	T	Т	4043	_
Homo sapiens chromosome 21 segment HSZ1CUSS	NT	AL163285.2	7.00€-42	0.6	Т	Т	250	_
Homo sapiens glutathione transferase A4 gene, exon	NT	7.00E-42 AF052051.1	7.00E-42	4.1	10919		636	
Homo sapiens glutathione transferase A4 gene, excit	NT	7.00E-42 AF052051.1	7.00E-42	4.1	10918	5795	636	_
ORCTL4 genes, complete cds)	NT	AB026898.1	8.00E-42	 ພ	12381	7174	2062	
regions	NT	AF003530.1	8.00E-42	1.8	10748	5621	455	
Homo sapiens homeobox protein CDX4 (CDX4) gene, complete cds and flanking repeat		0070400	1.000.1	4.6	14681	9585	4465	_
Mus muscrillus fubulin albha 6 (Tuba6), mRNA	INI			1.3	14732	9840	4521	_
Homo sapiens Chomosome 21 segment HS21CD67		AL163267.2		1:1	14731	9640	4521	
Human noosomal protein L234 liintys, willprote cos		U43701.1	1	1.9	11837	6667	2798	_
G.gorilla UNA for ZNrou gene fluitione		X89631.1	2,00E-41	1.5	12542	7328	2221	-
Homo sapiens mrnA for putative adaptur protein (citative gener)		AJ271366.1	2.00E-41 /	1.0	12494	7281	2172	<del>-,</del>
EST35818 EMDIYO, 6 Week I DUITO Sapielis CONTO C SIN	THUMAN		2.00E-41 /	0.8	12220	7032	1915	-
Human ribosomal protein L23a mixtux, complete was			2.00E-41	2.6	11837	6667	1782	-т
Homo sapiens mxNA for NAA1327 protein, perual was			3.00E-41 AB037748.1	0.9		10147	5047	-,
ORCTL4 genes, complete cds)		AB026898.1	3.00E-41 /	3.1	14446	9365	4240	
Homo saplens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3,	-						002	Т
Homo sapiens PAD-H19 mRNA for peptidylarginine delminase type II, complete cus	T	8.1		0.6	11236	6079	233	_
H.sapiens DNase i hypersensitive site (HSS-3) ennancer element	NT			1.9	14262	9179	4050	_
	NT	AJ229041.1	4.00E-41	3.0	13111	8010	2859	
Homo saplens 959 kb contig between AML1 and CBR1 on chromosome 21q22; segment 1/3	NT .	AJ229041.1	4.00E-41 /	3.0	13110	8010	2859	— т
contains OFR.b1 OFR repetitive element:	EST HUMAN o	AI500406.1	4.00E-41 /	3.1	11912	6744	1618	
Homo sapiens gene for activin receptor type its, complete come IMAGE: 2165958 3' similar to	NT		4.00E-41 AB008681.1	0.8	11702	6531	1404	-
LTR5 repetitive element;	THUMAN		4.00E-41 /	3.4	11682	6515	1388	
ow45e06.s1 Soares_parathyroid_tumor_NbHPA Homo sapiens curva crone invade: 18-51 or 3' similar to TR:000597 000597 CYTOCHROME C-LIKE POLYPEPTIDE: ;contains LTR5.b1								
LTR5 repetitive element;	EST_HUMAN L	AI027117.1	4.00E-41 A	э <b>4</b>	11681	6515	1388	
ow45e06.s1 Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA cione invoce: iona invo	¥ 9							
The state of the s								

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MGC_7 Homo sapiens cDNA done IMAGE:2822251 5'	2822251.5prime NIH_MGC_7 Homo sa	EST HUMAN	AW246442.1	7.00€-43	<u>6</u>	13824	8728	35.90
etical protein FLJ20297 (FLJ20297), mRNA	Homo sapiens hypothetical protein FLJ	N	8923276	8 00=43	3	T	Т	200
etical protein FLJ20297 (FLJ20297), mRNA	Homo sapiens hypothetical protein FL.	NT	8923276 NT	8.00E-43	1.5	T	Т	200
etical protein FLJ20297 (FLJ20297), mRNA	Homo sapiens hypothetical protein FLJ	NT	8923276 NT	8.00E-43	1.5		7	585
Homo sapiens a disintegrin and metalloproteinase domain 23 (AUAW23) mknva	Homo sapiens a disint	NT	4501912 NT	1.00E-42	1.0	٦	_	50
Homo sapiens a disintegrin and metalloproteinase domain 23 (ADAM23) IIINVA	Homo sapiens a disint	NT	4501912 NT	1.00E-42	1.0	٦		5048
Homo saplens mRNA for KIAA1288 protein, partial cos	Homo sapiens mRNA	NT	AB033114.1	1.00E-42	1.2	14974		4769
ine receptor 3 (RYR3) mRNA	Homo saplens ryanodine receptor 3 (R)	NT.	4506758 NT	1.00E-42	5.4	14880	П	4869
Homo sapiens proteasome inhibitor (PI31), mx.vs	Homo sapiens proteas	NT.	5803122 NT	1.00E-42	2.9	14849	7	4640
some inhibitor (PI31), mxnx	Homo sapiens proteasome inhibitor (Pi	NT	5803122 NT	1.00E-42	2.9	14848	П	4640
012-803 STUTRY HOMO Sapiens CUNA	RC3-ST0197-161099-012-803 S10197	EST HUMAN	AW813617.1	1.00E-42	0.9	14702		4489
	Homo saplens chromo	NT	AL163280.2	1.00E-42	1.7	14359	П	4153
Homo sapiens chromosome 21 segment HSZ1CVo/	Homo sapiens chromo	Z	AL163267.2	1.00E-42	1.0	14085	П	3849
255 gene product (KIAAU255), TIKNA	Homo sapiens KIAA0255 gene product	NT	32027	1.00E-42	2.2	13879	╗	3647
the state of the s	and translated products	NT	4505524 NT	1.00E-42	8.9	13194	8086	2935
responsition complex surjuinit 5 (yeast homologiblike (ORC5L) mRNA.	Homo sapiens major histocompanying	Z	5174458 N1	1.00E-42	0.7	12796	7594	2497
I gene, exon in	Homo sapiens PUNP1 gene, exon in	Z	AF110296.1	1.00E-42	0.9	12304	7101	1986
mitochondrial protein, complete cus	nuclear gene encoding mitochondrial p	NT		1.00E-42	4.4	11516	7910	1222
Homo saplens NADH-ubiquinone oxidoreductase AGGG subunit precursor nomotog mixtus,	Homo saplens NADH-						╗	
nuclear gene encoding mitochondral protein, complete cds	nuclear gene encoding	NT	AF067166.1	1.00E-42	4.4	11515	7910	1222
Homo sapiens partial C9 gene for complement component C9, excit	Homo sapiens partial C	Z	AJ251818.1	1.00E-42	1.1	11375		1085
Homo sapiens partial C9 gene for complement component Ce, excit	Homo sapiens partial C	NT	AJ251818.1	_	1.1	11374	٦	1085
ILS1 NCI_CGAP_Sub3 Homo sapiens cDNA clone IMAGE:2721871 3'	UI-H-BI1-afti-e-04-0-UI.s1 NCI_CGAP	EST_HUMAN	AW295809.1	1.00E-42	1.0	11321	6166	1026
BUOVINUS PHE. 1 (ERVS)	Human endogenous retrovirus pHE.1 (E	NT		1.00E-42 X57147.1	1.1	11010	5870	717
2819293.3prime NIH_MGC_7 Homo sapiens CUNA Clone IMAGE:2019293.3	2819293.3prime NIH 1	EST HUMAN	AW250059.1	2.00E-42	0.8	12678		2375
011-h10 NN0070 Homo sapiens CUNA	RC3-NN0070-270400-011-h10 NN0070	EST_HUMAN	AW898344.1	2.00€-42	1.4		╗	2361
R repetitive element;	ab14e10.s1 Stratagene lung (#93/210) Hom to contains THR.t2 THR repetitive element;	EST_HUMAN	AA486105.1	3.00E-42	1.0			98
ger protein 177 (ZNF1//) mkwa	Homo sapiens zinc finger protein 177 (2	3	4508008 NT	4.00E-42	10.3	14694	7	4480
	Homo saplens regulatory factor X, 4 (in	NT	4506496 NT	4.00E-42	4.5	14362		4156
IRNA	H.saplens PROS-27 mRNA	NT	X59417.1	4.00E-42	1.6	14311		4100
lease III (RN3) mKNA, complete cos	Homo sapiens ribonuclease III (RN3) m	NT		4.00E-42	0.9	11341	-	1050
ass 1 region	Homo sapiens MHC class 1 region	<del> </del>	AF055066.1	4.00E-42	3.0	11035	7	736
ass 1 region	Homo sapiens MHC class 1 region	NT			3.0	11034	$\neg$	736
pec1.2-4.F08.r ecnorm Homo saplens cDNA 5'	pec1.2-4.F08.r ecnorm	EST_HUMAN	AI541305.1	_	=	15073	T	4884
main and mariner transposase fusion gene (SETMAR) mRNA	Homo sapiens SET domain and mariner	NT	5730038 NT	5.00€-42	1.3		Т	479
main and mariner transposase fusion gene (SETMAR) mRNA	Homo saplens SET domain and marines	NT	5730038 NT	5.00E-42	1.0		5644	478

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Homo sapiens DEAD/H (Asp-Giu-Ala-Asp/His) box polypeptide 1 (DDX1) mRNA	- 1	826685		0.9	11325	6173	1033	T
43c5 Human retina cDNA randomly primed sublibrary Homo saplens cDNA	EST HUMAN	·	-4	1.4		6029	881	7
ae92b04.s1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:1020367 3'	EST_HUMAN	AA683268.1	3.00E-44	1.5	13645	8538	3398	_
ae92b04.s1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:1020367 3'	EST_HUMAN	AA683268.1	3.00€-44	1.5	13644	8538	3396	
zp18b05.r1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:609777 5'	EST_HUMAN	AA169851.1	3.00E-44	5.1	13309	8210	3059	
Homo saplens karyopherin alpha 6 (importin alpha 7) (KPNA6), mRNA	NT	6912477	3.00E-44	Ξ		6868	1746	
	NT	AL163303.2	4.00E-44	2.9	13618	8511	3368	
Homo sapiens KIAA0851 gene (partial), XT3 gene and LZTFL1 gene	NT	AJ289880.1	5.00E-44	0.7		5510	329	
Homo sapiens KIAA0851 gene (partial), XT3 gene and LZTFL1 gene	NT	5.00E-44 AJ289880.1	5.00E-44	0.9		5486	300	
Homo sapiens chromosome 21 unknown mRNA	NT	AF231919.1	7.00E-44	1.2	14354	9274	4148	
Homo sapiens chromosome 21 unknown mRNA	N.T.	AF231919.1	7.00E-44	1.2	14353	9274	4148	
Homo sapiens chromosome 21 segment HS21C084	NT	AL163284.2		2.3	14017	8923	3786	
	NT	AF048729.1	7.00E-44	2.2	13196	8088	2937	
Homo sapiens minisatellite ms32 repeat region	NT	7.00E-44 AF048729.1	7.00E-44	2.2	13195	8088	2937	
Homo sapiens LIM domain-containing preferred translocation partner in lipoma (LPP) mRNA	NT	5031886 NT	7.00E-44	1.2	12510	7296	2187	
ye89e01.r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:124920 5'	EST_HUMAN	R06035.1	7.00E-44	0.9		5802	643	_
	EST_HUMAN	AI222985.1	8.00E-44	2.0	11181	6020	872	
qh23g01.x1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:1845552 3'	EST_HUMAN	8.00E-44 AI222985.1	8.00E-44	2.0	11180	6020	872	
	NT	AL163284.2	1.00E-43	1.2	11982	6802	1678	
Homo sapiens Ras-like GTP-binding protein (RAB27A) gene, exons 1b and 2	NT	AF154836.1	1.00E-43	1.1	11927	6756	1630	
Homo sapiens Res-like GTP-binding protein (RAB27A) gene, exons 1b and 2	NT	AF154836.1	1.00E-43	1.1	11926	6756	1630	
qd61c09.x1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1733868 3' similar to contains PTR7.t3 PTR7 PTR7 repetitive element;				1.5		5370	177	
nk55d06.s1 NCI_CGAP_Pr7 Homo sapiens cDNA clone IMAGE:1017419	EST_HUMAN	AA548154.1	3.00E-43	1.0	14404	9319	4193	
AML1-EVI-1=AML1-EVI-1 fusion protein (rearranged translocation) (human, leukemic cell line SKH1, mRNA Mutant, 5938 nt)	NT	S69002.1	3.00E-43	1.1	13769	8665	3524	
H.saplens gene encoding La autoantigen	NT	X97869.1	3.00E-43	0.5	11969	6793	1669	
Homo sapiens calcium channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial cds, alternatively spliced	NT	AF223391.1	3.00E-43	1.0		6327	1195	
zn09h09.s1 Stratagene hNT neuron (#937233) Homo sapiens cDNA clone IMAGE:546977 3' similar to TR:G1136285 G1136285 UDP-GALNAC:POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE. [1]:	EST_HUMAN	AA083568.1	3.00E-43	3.3	11006	5868	714	
Homo sapiens X-linked anhidroitic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat regions	NT	AF003528.1	4.00E-43	1.7	11260	7865	957	
EST96033 Testis I Homo sapiens cDNA 5' end	EST_HUMAN	AA382780.1	5.00E-43	1.0	10781	5659	494	
Homo saplens chromosome 21 segment HS21C013	NT			0.7		5333	137	_
ne72d06.s1 NCI_CGAP_Ew1 Homo saplens cDNA clone IMAGE:909803 similar to gb:L05095 60S RIBOSOMAL PROTEIN L30 (HUMAN);	EST_HUMAN	AA491890.1	6.00E-43	3.7		6449	1320	
								1

	UI-HF-BN0-akg-d-02-0-UI.r1 NIH_MGC_50 Homo sapiens cDNA done IMAGE:3077019 5'	EST HUMAN	3.00E-45 AW500307.1	3.00E-45	0.9		6322	1190
•	601194440F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3536425 5	EST HUMAN	BE265622.1	4.00E-45	0.7	12559	7352	2246
	H.sapiens ART4 gene	NT	X95826.1	4.00E-45	3.1	11415	6263	1127
	(g94f07xf NCI_CGAP_CLL1 Homo sapiens cDNA done IMAGE:2116453 3 similar to SW:PAX1_MOUSE P09084 PAIRED BOX PROTEIN PAX-1.;	EST_HUMAN	AI523766.1	5.00E-45	2.0	13436	8322	3173
	Homo sapiens chromosome 21 segment HS21CUU3	N	AL163203.2	5.00E-45	1:1		6022	874
		EST_HUMAN	AW157570.1	6.00E-45	5.3		9031	3896
			5174718 NT	8.00E-45	7.5	15188	10117	5015
		N	5174718 NT	8.00E-45	1.4	12777	7575	2477
	Homo sapiens hypothetical protein FLJ10379 (FLJ10379), mRNA	NT	8922391 NT	9.00E-45	1.7	14692		4476
			8922391 NT	9.00E-45	1.7	14691		4476
		NT	AJ130755.1	1.00E-44	0.8	15235		5061
	Homo saplens alpha satellite DNA, M1 monomer type	S	1.00E-44 AJ130755.1	1.00E-44	0.8	15234	$\exists$	5061
	aa01c09.s1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:811984 3	EST HUMAN	1.00E-44 AA455869.1	1.00E-44	5.1		8803	3664
	T54 protein, JM10 protein, A4 differentiation-dependent protein, tripis LIM domain protein 6, and synaptophysin genes, complete cds; and L-type calcium channel a>		AF196779.1	1.00E-44	1.4	13021	7816	2732
	Homo sanlens transcription factor IGHM enhancer 3: JM11 protein, JM4 protein, JM5 protein,					12000	$\neg$	1677
	zt88g11.r1 Soares testis NHT Homo sapiens cDNA done IMAGE:729476 5*	EST HUMAN	AA398099.1	1.00E-44	4	10558	7	2227
	zw53d02.rl Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:773763 5 similar to contains THR.t3 THR repetitive element;	EST_HUMAN	1.00E-44 AA434554.1	1.00E-44	1.3	12498		2177
	zw53d02.r1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE://3/63 5/similar to contains THR.t3 THR repetitive element;	EST_HUMAN	AA434554.1	1.00E-44	1.3	12497		2177
	Homo sapiens chromosome 21 segment HS21C103	N	AL163303.2	1.00E-44	2.0			1555
	RC1-BN0039-110300-012-b01 BN0039 Homo sapiens cDNA	EST HUMAN	AW994803.1	1.00E-44	0.5		6312	1179
			AW853132.1	1.00E-44	0.6	10844	П	566
			7657334 NT	1.00E-44	1.2	10372	П	46
	Homo sapiens Misshapen/NiK-related kinase (MINK), mRNA		7657334 NT		1.2	10371	П	46
	PM4-SN0016-120500-003-a04 SN0016 Homo saplens cDNA	EST_HUMAN	AW864379.1		1.8	14684	$\neg$	4468
	Homo sapiens DNA for amyloid precursor protein, complete cds		D87675.1	I	1.4	13679	П	3425
	Homo sapiens adaptor-related protein complex 4, sigma 1 subunit (CLAPS4), mRNA		5901933 NT		1.2		П	2567
	Human mRNA for integrin alpha subunit, complete cds	NT	D25303.1		-1	12826		2529
	Homo sapiens tissue-type bone marrow zinc finger protein 4 mRNA, complete cds		AF070651.1		0.7	12426	П	2105
	hw14g06.x1 NCI_CGAP_Lu24 Homo sapiens cDNA done IMAGE:3182938 3' similar to SW:OXYB_HUMAN P22059 OXYSTEROL-BINDING PROTEIN.;	EST_HUMAN	BE465325.1	2.00E-44	0.5	11640		1346
	Homo sapiens RAB36 (RAB36) mRNA, complete cds		AF133588.1		1.0	11584	╗	1290
	Homo sapiens transmembrane trafficking protein (TMP21), mRNA		5803200 NT	2.00E-44	1.6	11478	Т	1189
	Homo sapiens transmembrane trafficking protein (TMP21), mRNA		5803200 NT	2.00E-44	1.6	11477	Т	1189
	Homo saplens DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 1 (DDX1) mRNA	NT	4826685	2.00E-44	0.9	11326	6173	1033

			0.000			9/10	400	_
H.sapiens (g tambda light chain variable region getre (15, 11,2) getrumne, 18, 5, 31, 5, 5, 5, 11, 12, 12, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13	Z, -	Z73660.1	3 00E-46   Z73660.1	<u>.</u>	14875		4666	
Homo sapiens mitogen-activated protein kinase kinase kinase kinase 3 (MAP4K3), mRNA	NT	4506376	3.00E-46	0.8	14508	9418	4294	
Homo sapiens mRNA for KIAAU622 protein, parual cus	NT	AB014522.1	4.00E-46	1.1	14532	П	4320	-
Homo sapiens mkNA for ki-August protein, partial was	NT.	AB014522.1	4.00E-46	1.1	14531	9443	4320	7
Human endogenous retrovirus K I VL-DZ	Z	M18048.1	4.00E-46	1.3	12996	$\neg$	2710	_
element;	EST HUMAN	AW770544.1	4.00€-46	1.3	11979	6800	1676	
hi86c03.x1 NCI_CGAP_Lu24 Homo sapiens CUNA cidne invasc Journal of pb:X14008_ma1 LYSOZYME C PRECURSOR (HUMAN);contains element MER37 repetitive								
element;	EST_HUMAN	AW770544.1	4.00E-46	1.3	11978	6800	1676	
hi86c03.x1 NCI_CGAP_Lu24 Homo sapiens CUNA Guile invage.sources of similar to gb:X14008_ma1 LYSOZYME C PRECURSOR (HUMAN); contains element MER37 repetitive								
gb:X53741_ma1 FIBULIN-1, ISOFORM A PRECURSOR (HUMAN);	EST_HUMAN	AA601143.1	4.00E-46	0.5		5784	625	
Homo sapiens chromosome 21 segment risk too to	NT	AL163210.2	5.00E-46	2.2		5391	197	$\neg$
wm31ru8x1 NCI_CGAF_U4 noniro sapreira CAFA CORO (11700-11700	EST_HUMAN		6.00E-46	2,0	13016	7810	2726	
wm31ru8x7 NCI_CGAP_Ure norms sapisite Contains MER19:20 MER19 repetitive element;	EST HUMAN	AI884381.1	6.00E-46	2.0	13015	7810	2726	
RC4-BT0310-110300-015-110 B10310 Homo sapiens CUNA	EST_HUMAN	BE064386.1	7.00E-46	1.0		П	4701	Т
601277292F1 NIH MIGC 20 Homo sapiens curva cione invasci so io i i a s	EST_HUMAN	BE386165.1	7.00Ё-46	6.5		П	4478	_
132708.x1 NCI_CGAP_Gas4 Homo Sapiens CUNA corie invade. 2132199 0 Similia W gb:J00314_rna2 TUBULIN BETA-1 CHAIN (HUMAN);	EST HUMAN	Al433261.1	8.00E-46	3.2	12698	7492	2392	
gb:J00314_ma2_TUBULIN_BETA-1 CHAIN (HUMAN);	EST_HUMAN	AI433261.1	8.00E-46	3.2	12697	7492	2392	
601289118F1 NIH MGC & Homo sapiens CUNA Close IMAGE: 3133199 3' similar to	EST HUMAN	BE396633.1	1.00E-45	4.1	14587	9500	4378	
Homo sapiens chromosome 21 open reading frame 1 (CZ1074), mKNA		9558	1.00E-45	1.0	13703	$\neg \tau$	3447	_
Rattus norvegicus mRNA for hnRNP protein, partial	NT	Y16641.1	-	8.2	13519	7	3266	Т
Human pro-a2 chain of collagen type XI (COL11A2) gene, complete cus	NT	U32169.1	_	6.8	13316	8216	3065	Т
	NT	7657290 NT	1.00E-45	0.6	11447	6292	1157	Т
Homo sapiens RAP1A, member of RAS oncogene family (KAPTA), mKNA	NT	)6412		0.5	10759	5629	\$	т
601284360F1 NIH MGC 44 Homo saplens cDNA clone IMAGE:3606163 0	EST_HUMAN			0.8		5571	403	Т
601284360F1 NIH MGC 44 Homo sapiens CDNA clone IMAGE: 3000 103 5	EST HUMAN	BE389855.1		0.9		5571	118	T
CM1-BN0111-240300-161-b04 BN0111 Homo sapiens CDNA	EST_HUMAN	BE004686.1	_	0.8	13760	8650	3509	Т
	TN			0.9	13248	8148	2996	Т
Homo sapiens chromosome 21 segment HS21CU18	NT	AL163218.2	2.00E-45 /	0.8		7553	2454	T
601178009F1 NIH MGC 17 Homo sapiens CDNA Clone IMAGE: 303091 0	EST_HUMAN	BE297384.1		=	14897	9794	4682	1
17 Homo sap	EST_HUMAN	BE297384.1		:1	14896	9794	4682	T
	EST HUMAN	T71480.1	3.00€-45	1.2		8434	3997	
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	TN	AL163209.2		0.7	11254	6098	952
Homo saplens myosin phosphalase, jarnet subunit 2 (MYPT2), mRNA	NT	1505318	2.00E-47	1.5	10468	5338	142
Human T-cell receptor active alpha-chain mRNA from JM cell line, complete cds	TIN	M12959.1	3.00E-47	1.0	14473	9390	4265
Homo saplens nuclear dual-specificity phosphatase (SBF1) mRNA, partial cds	NT	U93181.1	3.00E-47	5.0		9021	3885
EST 16895 Aorta endothelial cells, TNF alpha-treated Homo sepiens cDNA 5' end similar to similar to metallopanstimulin 1	EST_HUMAN	AA304095.1		5.1	13489	8383	3235
Homo sapiens KiAA0439 mRNA, partial cds	NT	AB007899.1	3.00€-47	0.5	12302	7099	1984
Homo saplens chromosome 21 segment HS21C084	NT	AL163284.2	3.00E-47	3.0	11235	6077	930
yy54b04.s1 Soares_multiple_sclerosis_2NbHMSP Homo sapiens cDNA cione IMAGE:277327 3'	EST_HUMAN	N57483.1	3.00E-47	1.8	11103	5952	801
601278183F1 NIH_MGC_20 Homo sapiens cDNA done IMAGE:3618834 5"	EST HUMAN	BE385662.1	3.00E-47	0.6		7882	171
Homo sapiens E1A binding protein p300 (EP300) mRNA	3	4557556	4.00E-47	1.2	11672	6506	1379
	NT	AL163246.2	6.00E-47		12798	7598	2501
Homo saplens H91620p protein (H91620p), mRNA	NT	7705390]NT	6.00E-47	2.0	10983	5848	693
Homo saplens 959 kb contig between AML1 and CBR1 on chromosome 21q22, segment 3/3	N-1	AJ228043.1	8.00E-47	1.7	13244	8141	2989
Homo saplens protein phosphatase 2, regulatory subunit B (B56), epsilon isoform (PPP2R5E) mRNA	4	5453955 NT	8.00E-47	0.6	12971	7771	2684
Homo saplens HLA-C gene, exon 5, Individual 19323	NT	Y18536.1	8.00E-47	5.1	12072	6887	1766
Homo sapiens HLA-C gene, exon 5, individual 19323	NT	Y18536.1	8.00E-47	5.1	12071	6887	1766
	EST_HUMAN	AW770928.1	9.00E-47	2.6	15044	9955	4848
Homo sapiens Xq pseudoautosomal region; segment 1/2	NT	AJ271735.1	9.00E-47	1.5		5901	749
Homo sapiens mRNA for KIAA0980 protein, partial cds	NT	AB023197.1	1.00E-46	2.6		9882	4772
np78b02.s1 NCI_CGAP_Pr2 Homo sapiens cDNA done IMAGE:1132395 similar to gb:X76717 H.sapiens MT-II mRNA. (HUMAN);	EST_HUMAN	AA631912.1	1.00E-46	2.8	13468	8359	3211
[EST48b095 WATM1 Homo sapiens cDNA done 48b095	EST_HUMAN	H97330.1	1.00€-46	0.9	12660	7453	2351
EST390625 MAGE resequences, MAGP Homo saplens cDNA	EST_HUMAN	1.00E-46 AW978516.1	1.00E-46	1.7	12555	7343	2236
Homo sapiens cell division cycle 10 (homologous to CDC10 of S. cerevisiae) (CDC10) mRNA	NT	4502694 NT	1.00E-46	1.8	11502	6343	1213
	EST_HUMAN	AA399286.1	2.00E-46	1.2	15087	10006	4899
Rattus norvegicus potassium channel (erg3) mRNA, complete cds	NT	AF016191.1	2.00E-46	1.0	14412	9325	4199
Homo sapiens Bruton's tyrosine kinase (BTK), alpha-D-galactosidase A (GLA), L44-like ribosomal protein (L44L) and FTP3 (FTP3) genes, complete cds	NT .	U78027.1	2.00E-46	0.9	11917	6749	1623
zi27a11.s1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA done IMAGE:431886	EST_HUMAN	AA678246.1	2.00E-46	1.3		6669	1542
ne06a09.s1 NCI_CGAP_Co3 Homo sapiens cDNA clone IMAGE:880408 3' similar to contains THR.b2 THR repetitive element;	EST_HUMAN	AA468646.1	2.00E-46	2.0	11126	5969	819
H.sapiens ig lambda light chain variable region gene (7c.11.2) germline; ig-Light-Lambda; VLambda	NT	273660.1	3.00E-46	1.1	14876	9778	46 <del>6</del> 6

contains L1.t3 L1 repetitive element;	EST HUMAN	3 00E-49 AA016131.1	3 00€-49	0.7		1	_
ze31c05.r1 Soares retina N2b4HR Homo sapiens cDNA clone IMAGE:360564 5 SIMILAR TO				6.6	T	0/1	ş
H.saplens mRNA for acetyl-CoA carboxylase	4	X68968.1	3.00€-49	200	T	_	1410
WP:B0350.2B CE06703 ;	EST_HUMAN	AW189533.1	4.00E-49	13.0	10798		
Logent vt NCI CGAP 11/4 Home saplens cDNA clone IMAGE:2675593 3' similar to	2	U17714.1	5.00E-49	1.8	13009	7805	2721
LIR/ LIR/ repetuve electrons suppressor ST13 (ST13) mRNA, complete cds	EST HUMAN		5.00E-49	0.7	12056	6875	1753
IMAGE:610860 5' similar to TR:G233226 G233226 RTVL-H PROTEIN. ;contains LTR7.t3							
Tonio sapiens Crioniconio 2 : Centro de Contro	N	AL163210.2	5.00E-49	1.2	10985		695
Long applies chromosome 21 segment HS21C010		AL163210.2	5.00E-49	1.2	10984		695
Long agricus chromosome 21 segment HS21C010	EST HUMAN	AW801668.1	6.00E-49	1.0	15113	10041	4935
gb:X17206 40S RIBOSOMAL PROTEIN S4 (HOMAN); gb:McCook Modes CEI Not Not Not Not Not Not Not Not Not Not		AW731740.1	6.00E-49	4.0	10511	5384	190
ba55g05.x1 NIH_MGC_10 Homo sapiens culva cone liwa be: zevocow 3 similar vo						1	1000
HYPOTHETICAL PROTEIN DUGGOCAS.	SWISSPROT	O60811		1.0	14759	9869	4550
SP.ACUA PENCH P3633 ACETYL-COENZYME A SYNTHETASE;		T75294.1	7.00E-49	0.9	12447	7239	2129
Homo sapiens chroniusome zi seginam nezione cDNA done IMAGE:23233 5' similar to	NT	AL163284.2	7.00E-49	1.4	11490	6334	1202
Homo sapiens proteasome (prosome, macopalit) 203 subulity 211 cook 1 1 201 CORA		5729990 NT	7.00E-49	0.7	10690	5557	389
		111 00007 10	1.00E-49	0.7	10689	5557	389
Homo sapiens proteasome (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4) mRNA						2	000
Homo sapiens proteasome (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4) mkNA		5729990 NT	7.00E-49	0.6	10690	5557	388
Homo saplens proteasome (prosome, macropain) 26S subunit, Al Pase, 4 (PSMC4) IIINWY		5729990 NT	7.00E-49	0.6	10689	5567	388
Homo sapiens proteasome (prosome, macropain) 26S subunit, Airase, 4 (romor)		5729990 NT	7.00E-49	1.5	10690	5557	134
Homo sapiens proteasome (prosome, macropain) 265 subunit, A i rase, 4 (rom(-) ilinxin		5729990 NT	7.00E-49	1.5	10689	5557	134
numan engogenious issociation of the control of the	2		1.00E-48 M10976.1	1.1	15260	10180	5082
		'n	1.00E-48	1.2	13699	8585	3443
Homo sapiens Chlomosome 41 segment Lega Code			1.00E-48	16.0	12180	8 2 2	1876
Homo sapiens RIVA Diliuli piocent Discontinuo del Composition		32032		1.1	11564	8 2 2	1274
(APP), mRNA		4502166	1.00E-48	2.4	11164	\$ 2	855
Homo sapiens displatin resistance-associated overexpressed protein (LUC51747), mixture.		7706534 NT	1.00⊑-48	0.9	10376	5259	50
project=TCBA Homo sapiens cDNA clone TCBAP3842	EST_HUMAN F	BE246065.1	2.00E-48	1.4	14646	9552	4431
Con Contract of Deall and the Imphablastic laukemia Baylor-HGSC							

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	37 10342		17	20 10747	26 10551	26 10550		01 11355		31 13924	06 13513	7013	<b>4</b> 6	33	61 10881		31 12737	T		50 12029	Т	57 10992	Γ	30	81 12063	86 10414	86 10413	05 14905	8662 13767	8334 13446	
	0.6	8.2	3.3	0.7	1.0	1.0	6.5	1.6	1.7	4.6	1.1	0.9	1.3	10.0	1.0	0.6	1.4	1.4	1.1	0.9	3	0.6	0.9	1.1	0.9	0.6	0.6	11	0.9	1.4	
	8.00E-51	9.00E-51		1,00E-50	1.00E-50	1.00E-50		2.00€-50		3.00E-50	3.00E-50	3.00€-50		5.00E-50	7.00E-50	8.00E-50	8.00E-50	8.00E-50	8.00E-50	8.00E-50	_	8.00E-50	_	_	1.00E-49	1.00E-49	1.00E-49	2.00E-49	2.00E-49	2.00E-49 N26446.1	
	AA775999.1	Z12962.1	AJ271735.1	AL163209.2	BE007080.1	1.00E-50 BE007080.1	AF138303.1	4557752	AF055066.1	AW755254.1	AA746142.1	M18048.1	AA601143.1	8922586	BE089591.1	4826658 NT	7706394 NT	7708394 NT	Y16641.1	4501890 NT	AE000573 1	X95097.2	AL163202.2	AF101475.1	BE255216.1	4758135	4758135 NT	Al167357.1	2.00E-49 AF026564.1	N26446.1	
TOT LIMAN	EST_HUMAN	NT	NI	NT	EST_HUMAN	EST_HUMAN	NT	NT		EST_HUMAN	EST_HUMAN	NT	EST_HUMAN	NT	EST_HUMAN	NT	NT	N	NT	NT	NT.	ZZZ	Z	NT.	EST_HUMAN	NT	NT	EST_HUMAN	NT	EST_HUMAN	
IND88609.81 NCI_CGAP_LU1 HOMO SAPIERS CUNA CONS IMAGE:1142440 3' SIMIIRIT (O	ae82g10.s1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:970722 3'	H.sapiens mRNA for homologue to yeast ribosomal protein L41	Homo sapiens Xq pseudoautosomal region; segment 1/2	Homo saplens chromosome 21 segment HS21C009	PM3-BN0137-290300-002-g11 BN0137 Homo saplens cDNA	PM3-BN0137-290300-002-g11 BN0137 Homo sapiens cDNA	Homo sapiens decorin D mRNA, complete cds, alternatively spliced	Homo sapiens midline 1 (Opitz/BBB syndrome) (MID1) mRNA	Homo saplens MHC class 1 region	CMYA5 Human cardiac muscle expression library Homo sapiens cDNA clone 4151935 similar to CMYA5 Cardiomyopathy associated gene 5	ob03f06.s1 NCI_CGAP_Kld3 Homo saplens cDNA done IMAGE:1322627 3'	Human endogenous retrovirus RTVL-H2	ho54609.s1 NCI_CGAP_SS1 Homo sapiens cDNA clone IMAGE:1104520 3' similar to gb:X53741_ma1 FIBULIN-1, ISOFORM A PRECURSOR (HUMAN);	Homo sapiens hypothetical protein FLJ10675 (FLJ10875), mRNA	QV0-BT0703-280400-211-e08 BT0703 Homo sapiens cDNA	Homo saplens capping protein (actin filament) muscle Z-line, beta (CAPZB), mRNA	Homo sapiens p47 (LOC51674), mRNA	Homo saplens p47 (LOC51674), mRNA	Rattus norvegicus mRNA for hnRNP protein, partial	Homo sapiens actinin, alpha 1 (ACTN1) mRNA	Homo sanians homogentisate 1 2-dioxogenase gene, complete cds	Homo sapiens mRNA for VIP receptor 2	Homo saplens chromosome 21 segment HS21C002	Homo sapiens glycine N-methyltransferase (GNMT) gene, complete cds	601115769F1 NIH MGC 16 Homo saplens cDNA clone IMAGE:3356273 5'	Homo sapiens DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (S.cerevisiae CHL1-like helicase) (DDX11) mRNA	Homo sapiens DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (S.œrevisiae CHL1-like helicase) (DDX11) mRNA	oz88d02.x1 Soares_senescent_fibroblasts_NbHSF Homo sapiens cDNA clone IMAGE:1682403 3' similar to gb:M31470 RAS-LIKE PROTEIN TC10 (HUMAN);contains Alu repetitive element;contains element MER22 repetitive element;	Homo sapiens RNA binding protein II (RBMII) gene, complete cds	yx23d06.r1 Soares melanocyte 2NbHM Homo saplens cDNA clone IMAGE:262571 5'	

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L		EST_HUMAN	AW137826.1	2.00E-51	1.0	14603	9514	<del>د</del>	
_	IIILH-BI1-adid-02-0-UI.s1 NCI CGAP Sub3 Homo sapiens cDNA done IMAGE:2716851 3"						$\neg$		_
	1/127g03.x1 NCI_CGAP_Kid11 Homo sapiens cDNA done IMAGE:2131/32 3	EST_HUMAN	AI492415.1	2.00E-51	2.2	13905	П	3672	
┸	LTR7 repetitive element :	EST HUMAN	AA233352.1	2.00E-51	0.8	11963	6786	1662	
	zr30a05.r1 Stratagene N12 neuronal precursor 937230 nomo sapeilla curva cione la limage:;664880 5' similar to TR:;6233228 G233228 RTVL-H PROTEIN. ;contains LTR7.t3								
1	601285694F1 NIH INGC 44 HOMO Sapiens CONA Going INVAGE 3007403 C	EST HUMAN	BE391063.1	2.00E-51	1.1	10957	5829	673	
	601285694F1 NIH MGC 44 Homo sapiens CUNA Gione IMAGE 3607463 5	EST HUMAN	BE391063.1	2.00E-51	1.1	10956		673	
	Homo sapiens ubiquiun protein ligase EJA (numan papilionna viius EV-associated protein, Angelman syndrome) (UBE3A) mRNA	NT	4507798 NT	2.00E-51	0.6	10671	5540	362	
┸	Novel human gene mapping to chomosome 44	S	AL159142.1	3.00E-51	2.1	14438	9356	4232	7
	gb:M26326 KERATIN, TYPE I CYTOSKELETAL 18 (HUMAN);	EST_HUMAN	AI587348.1	3.00E-51	1.4	11449	6294	1159	т
<del></del>	zd76h04.r1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:346615 5'	EST_HUMAN	W79058.1	3.00E-51	0.6	10892	5771	613	1
_L_	zd76h04.r1 Soares_fetal_heart_NbHH19W Homo saplens cDNA clone IMAGE:346615 5	EST_HUMAN	W79058.1	3.00E-51	0.6	10891	5771	613	
	gb:M26326 KERATIN, TYPE I CYTOSKELETAL 18 (HUMAN);	EST_HUMAN	AI587348.1	3.00E-51	0.9	10458	5326	130	- 1
_L_	Homo sapiens mRNA for KIAA1411 protein, partial cos	3	AB037832.1	5.00E-51	2.3	15175	10107	502	-
	Human Ku (p70/p80) subunit mRNA, complete cas	NT	M30938.1	5.00E-51	1.1	14099	8999	3863	
		NT	M30938.1	5.00E-51	1.1	14098	8999	3863	Т
	Homo saplens mRNA for nucleoportn 155	NT	AJ007558.1		4.2	12843	784	2548	Т
1	Homo sapiens 26S proteasome-associated pad1 nomolog (PUH1) mkwa	NT	5031980	5.00E-51	8.0	11886	6716	1590	Т
	Novel human gene mapping to chomosome X	NT	AL133204.1	5.00E-51	1.4	11277	7904	975	_
1	Homo sapiens T-cell lymphoma invasion and metastasis 1 (TAM1) mknA	NT	4507500	5.00E-51	1.5	11089	5937	786	Т
1_	Homo sapiens chromosome 21 segment HS21C003	NT	AL163203.2	5.00E-51	3.7	11075	5926	774	Т
ــــــــــــــــــــــــــــــــــــــ	Homo saplens KIAA0829 protein Msx2 interacting nuclear target (Mini ) rivincing (KIAA0929), mRNA	NT	7657266	6.00E-51	12.9	13682	8570	3428	
	(KIAA0929), mRNA	T	7657266 NT	6.00E-51	1.9	12246	~ 7053	1936	
	UI-H-BW0-alp-b-05-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE:2729817 3	EST_HUMAN	AW295603.1	7.00E-51	2.4	14459	9379	4254	
	DKFZp434B2229_r1 434 (synonym: htes3) Homo sapiens cDNA done DKFZp434B2229 5'	EST HUMAN	AL079628.1	7.00E-51	1.3	14290	9203	4076	T
	DKFZp434B2229_r1 434 (synonym: htes3) Homo saplens cDNA done DKFZp434B2229 5'	EST_HUMAN	AL079628.1		1.3	14289	9203	4076	T
	Homo sapiens KIAA0426 gene product (KIAA0426), mRNA	NT	7662109	7.00E-51	7.4	13782	8682 2	3541	Т
<u>i</u>	xn34a03.x1 NCI_CGAP_Kid11 Homo sapiens cDNA done iMAGE:2895564 3' similar to TR:Q9Z340 Q9Z340 ATYPICAL PKC SPECIFIC BINDING PROTEIN.;	EST_HUMAN	AW274720.1	7.00E-51	0.8	13574	84 82	3317	
ш.	QV4-NT0028-200400-180-d05 NT0028 Homo sapiens cDNA	EST_HUMAN	7.00E-51 AW889219.1	7.00E-51	1.4	13499	8392	3245	$\neg$
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Homo sapiens nook1 protein (CICN I), III NOON	NT	7705414 NT	4.00E-53	1.1	14919	7	4715
Homo saplens chromosome 21 segment nazi coos	ZI	AL163285.2	4.00E-53	0.7	10367	5253	43
Homo sapiens chromosome 21 segment nozitores	ZT	AL163285.2	4.00E-53	0.7	10366	5253	43
Homo sapiens neterogeneous nuclear illuditudadpioteni C (Circz) ( mm. C / mm.	Z	58543	5.00E-53	2.2	14222	9140	4009
Homo sapiens predicted osteopiasi protein (Gastrot) in NAS (HURBC) mRNA	NT	7661713 NT	9.00E-53	0.9	15143	10069	4966
Homo sapiens core binding factor alpha i subunit (cor > / going, corr >	NT	AF001446.1	9.00E-53	1.0	14507	9417	4293
Homo sapiens protein kinase, cAMP-dependent, regulatory, type II, beta (PRKAR2B) mRNA	NT.	4506064 NT	9.00E-53	1.0	13952	8860	3723
element RTVL-Hp1, Genomic, 660 nt]	N	S61070.1	1.00E-52	1.4	13273	8173	3021
	2	4502238 NI	1.00E-52	1.2		7586	2489
Homo sapiens giudainate-ariniforila ligase (giudainilia chimaco)	2	4504026 N I	1.00E-52	3.0	11643	6477	1349
20/5h12.91 Soares tesus will notify appella curve core invoces. Too to	EST_HUMAN	AA634445.1		1.4	10808	5686	522
gb:X16493 M.musculus mRNA for Zpf-1 zinc finger protein (MOUSE);	it .		2.00E-52	0.6	12758	7549	2450
Human endogenous renoviral cive (+-1), company renovation company 5' similar to	NT	M10976.1	2.00E-52	1.4	10832	5713	550
Human endogenous retroviral DNA (4-1), complete retroviral segment	3			1.4	10831	5713	550
TR:E239140 E239140 SPALT PROTEIN;	EST_HUMAN	<u> </u>	2.00E-52	0.6	10776	5652	487
HSAAABJOK S, Human toatal Adrenais ussue notific septens core	EST_HUMAN	Z20083.1	3.00E-52	1.5	10853	5737	577
Homo sapiens T-cell ymphoma invasion and melasiasis ( ( inva) / invas		4507500 NT	4.00E-52	0.8	14086	8986	3850
Homo sapiens dystrophin (UMD) gene, deletion dreampoints its initiation	NT	AF047677.1	4.00E-52	20.5		7791	2706
Homo saplens nucleoponn TookU (NUT 100) Illinois	3	58843	4.00E-52	8.6	12048	6870	1748
Homo saplens SH3-containing protein SH3GLB1 mixton, cumplete was	NT	AF257318.1		6.0	11934	6765	1639
H.saplens flow-sorted chromosome 6 Hindlill magment, SCopA ton?	NT	Z78898.1	-	2.1	14553	9463 3	4340
Ws78a10.x1 NCI_CGAP_C03 Homo sapiens curva done invade	EST_HUMAN	AW009208.1	5.00⊑-52	0.6	11050	5903	751
TR: 043789 043789 OLFACTORY RECEPTOR:	EST_HUMAN	AW009208.1	5.00E-52	0.6	11049	5903	751
and S171 gene, partial cds	NT	AF109907.1	6.00E-52	0.8	11968	6792	1668
QV3-BT0537-271299-049-d07-BT0537 Floring sapiets converges complete city.	EST_HUMAN	BE072409.1	6.00E-52	0.9		6304	1170
H.saplens mRNA for laminin-5, alphaso chain		X84900.1		1.3	11781	6608	1481
nw21g02.91 NCI_CGAP_GCB0 Homo sapiens curva done impour is 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	EST_HUMAN	AA720574.1	8.00⊑-52	2.5	10471	5342	146
Homo sapiens small inducible cytokine subfamily A (Cys-Cys), member 15 (SCYA15) mRNA	NT	4759071 NT	1.00E-51	1.0	14522	9432	4309
Homo sapiens small inducible cytokine subfamily A (Cys-Cys), member 15 (SCYA15) mRNA	NT NT	4759071 NT	1.00E-51	1.0	14521	9432	4309
Homo sapiens eukaryotic translation initiation factor 4A, Isoform 1 (EIF4A) IIINIA	NT.	4503528 NT	1.00E-51	1.5	10437	5312	100

Homo sapiens chloride channel 6 (CLCN6) mRNA	4502872 NT	45028	6.00E-54	2.4	14144	П	3923
	8922148 NT	-89221	6.00E-54	0.8	13500		3246
Homo saplens lymphocyte antigen 75 (LY75) mRNA, and translated products	4505052 NT	45050	6.00E-54	0.9	12138	6952	1833
Homo sapiens lymphocyte antigen 75 (LY75) mRNA, and translated products	4505052 NT	45050	6.00E-54	0.9	12137	6952	1833
	NT	AB003618.1	6.00E-54	0.5	10334	5231	22
yw68d12.s1 Soares_placenta_8to9weeks_2NbHP8to9W Homo sapiens cDNA clone   IMAGE:257399 3' similar to contains LTR7.b3 LTR7 repetitive element;	EST_HUMAN	N27177.1	7.00E-54	1.7	12477	7267	2158
Homo sapiens mRNA for monocyte chemotactic protein-2	Z	Y16645.1	7.00E-54	0.6	12095	. 6909	1789
	EST_HUMAN	AA812537.1	7.00E-54	1.3	10718	5585	379
ai79c12.s1 Soares_testis_NHT Homo sapiens cDNA clone 1377046 3' similar to contains							
Homo sapiens ubiquitin specific protease 13 (isopeptidase T-3) (USP13) mRNA	4507848 NT	45078	8.00E-54	=	14846 0	9743	5030
Homo sapiens ubiquitin specific protease 13 (isopeptidase T-3) (USP13) mRNA	4507848 NT	45078	8.00E-54	=	14839	9743	5030
Homo sapiens ubiquitin specific protease 13 (isopeptidase T-3) (USP13) mRNA	4507848 NT	45078	8.00E-54	1.3	14840	9743	4629
Homo sapiens ubiquitin specific protease 13 (isopeptidase T-3) (USP13) mRNA	4507848 NT	45078	8.00E-54	1.3	14839	9743	4629
Homo saplens insulin-like growth factor 2 receptor (IGF2R) mRNA	4504610 NT	45046	8.00E-54	1.3	12100	6914	1794
314031 5'	EST_HUMAN	BE386785.1	8.00E-54	1.1	10520	5394	200
Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	4507500 NT	45075	9.00E-54	0.8	15320	10247	5152
Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	4507500 NT	45075	9.00E-54	0.8	15319	10247	5152
ORCTL4 genes, complete cds)	NT	AB026898.1	1.00E-53	1.0	13615	8507	3364
Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3,							
Homo sapiens Xq pseudoautosomai region; segment 2/2	NT	AJ271736.1	1.00E-53	0.9	11732	6556	1429
Homo saplens chromosome 21 segment HS21C081	NT	AL163281.2	2.00E-53	1.1	15268	10189	5091
Homo sapiens chromosome 21 segment HS21C081	NT	2.00E-53 AL163281.2	2.00E-53	1.1	15267	10189	5091
Homo sapiens SKAP55 homologue (SKAP-HOM) mRNA	)62 NT	4506962	2.00€-53	1.1	14600	8512	4390
Human Krueppel-related DNA-binding protein (TF34) gene, partial cds	NT	M61873.1	2.00E-53	2.1	14185	9102	3970
dine receptor	NT	AF083822.1	2.00E-53	1.2	13465	8355	3207
Homo sapiens core-binding factor, runt domain, alpha subunit 2; translocated to, 1; cyclin D- related (CBFA2T1) mRNA	915 NT	4757915	2.00E-53	6.9	12979	7781	2694
Homo saplens core-binding factor, runt domain, sipha subunit 2; translocated to, 1; cyclin D- related (CBFA2T1) mRNA	4757915 NT	47578	2.00E-53	6.9	12978	7781	2694
Homo sapiens ATPase, H+ transporting, lysosomal (vacuolar proton pump) 31kD; Vacuolar proton-ATPase, subunit E; V-ATPase, subunit E (ATP6E), mRNA	4502316 NT	45023	2.00E-53	3.8		7587	2490
Homo sapiens Bruton's tyrosine kinase (BTK), alpha-D-galactosidase A (GLA), L44-like ribosomal protein (L44L) and FTP3 (FTP3) genes, complete cds	NT	U78027.1	2.00E-53	1.1	12592	7385	2279
EST77525 Pancreas tumor III Homo sapiens cDNA 5' end	EST_HUMAN	2.00E-53 AA366556.1	2.00E-53	1.5		5616	450
,	EST HUMAN	3.00E-53 BE069344.1	3.00⊑-53	0.9	15030	9941	4833
IL2-UM0081-240300-055-D03 UM0081 Homo saplens cDNA	EST_HUMAN	AW803563.1	3.00E-53	1.2	14699	9606	4486
wz22c07.x1 Soares_Dieckgraefe_colon_NHCD Homo sapiens cDNA clone IMAGE:2558796	EST HUMAN	AW050836.1	3.00E-53	သ	13903	8809	3670
Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, complete cds)	NT	AB026898.1	3.00E-53	0.9	12916	7715	2625

		1001	4.000-00	<u>د</u> .	11/25	6550	1	_
Homo sapiens predicted osteoblast protein (GS3786), mRNA	NT.	7661713 NI	4.000-00	12.0			656	_
Homo septens RNA binding mout protein, i wholissome, talling the septens and the septens are septens are septens and the septens are septe	<b>1</b>	4006073				_		
ES13/0064 MAGE resequences, waste in Victorian services and in member A1 (RBMY1A1)	EST HUMAN	4.00E-55 AW957994.1	4.00E-55	1.4	10375		49	
	HUMAN	AA704971.1	5.00E-55	1.1	12033	6855	1732	
zi95b09.s1 Soares fetal liver spieen_INFLS_S1 Homo sapiens cDNA clone IMAGE:462617	EST_HUMAN	AA704971.1	5.00E-55	1:1	12032	6855	1732	
zj95b09.s1 Soares_tetal_liver_spleen_1NFLS_3 i nollii0 sapielis colvo dulle illizocitorio						寸		
similar to SP:C561_BOVIN P10897 CYTOCHROME :	EST_HUMAN	R09346.1	7.00E-55	1.2	11358	6203	1065	
v/26e04_r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:127998 5'		7.879/01	8.001-00	0.8		6426	1297	
Homo saniens RFB30 gene for RING finger protein	27	V07820.2		14.6		Т	1294	_
Homo sapiens RFB30 gene for RING finger protein		AF083823.1	٠.	0.8	15322		5156	_
Long sariens dibydranyddine recentor globa 2 subunit (CACNA2D1) gene, exon 7		0544	٠-	1.5	14982	9890	4780	_
Homo sapiens contiduarrinine delminase two III (LOCS1702), mRNA				1.1			4343	
Homo sapiens characteristic william HS21C001		)2642	-	2.0		П	4110	_
10/45009.51 NCL_CGAT_FIS TOURIS SEPTIMENT (CCTS) mRNA	T_HUMAN	AA532925.1		4.1		8643	3501	
WW60012.XI soales_Nor_Fo_eve_Or_Fo_e	EST HUMAN	AW057524.1	2.00∈-54	1.7	13119	8016	2865	
Homo sapiens chromosome 21 segment 13210010	NT	AL163210.2	2.00E-54 /	0.7	12853	7650	2556	_
similar to SW:CUL1_HUMAN Q13616 CULIN HOMOLOG 1;	EST_HUMAN	AW163175.1	2.00E-54	1.3	12793	7589	2493	
element L1 repetitive element; CONON Home saniens cONA clone (MAGE:2783764 5)	EST HUMAN	AA655008.1	2.00E-54 /	0.6	11822	6656	1529	
Torno sapielis increal entigeri opico (ci. 107)		4507164 NI	2.00E-54	0.7	11637	6470	1342	
Homo saplens killer cell leculi-like lecepus sociatin) C		5031900 NT	2.00E-54	2.1	10906	5785	626	_
IL-BT189-190399-007 BT189 Homo sapiens CUIVA	T HUMAN	AI908757.1	ш	0.9		7676	2583	_
DKFZp434E0731_f1 434 (synonym: htes3) Homo saplens cDNA clone DKFZp434E0731 5	HUMAN	AL110383.1	3.00E-54 A	0.9	12819	7618	2522	
EST185371 Colon carcinoma (HCC) cell line nomo sapiens colve o ello	EST HUMAN E	AA313487.1	3.00E-54 A	1.7	10420	5294	88	Т
	<u>.</u>	Al935086.1	4.00E-54 A	1.2		8317	3168	
Human mkna for kilaavor i gene, parien cos	N		4.00E-54 D38521.1	1.2	12069	6885	1764	7
Human mRNA for NAAUU// gene, paruar cas			4.00E-54 D38521.1	1.2	12068	6885	1764	<b>—</b>
phosphale dehydrogenase	T HUMAN	=	4.00E-54 A	14.0	11244	6087	940	
EST177698 Jurkat T-cells VI Homo sapiens cDNA 5' end similar to glyceraidenyde-3-						18		Т
Tupaia belangeri beta-actin mRNA, partial cds	T	03.1	_1	36.0		7360	178	Т
ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPTZ)	SWISSPROT Z			0.8	12425	7215	210	Т
H.saplens sho pseudogene, p66 isoform			6.00E-54 Y	1.3		989	4930	Т
H.saplens shc pseudogene, p66 isoform	NT F		6.00E-54 Y09846.1	1.7		1,880	4774	٦

		-	- 1			1	7
Homo sapiens DSCR5b mRNA, complete cds	S	AB037163.1		1.0	14925	( I	4721
Homo sapiens DSCR5b mRNA, complete cds	NT	AB037163.1	1.00E-55	1.0	14924	<b>EE8</b> 8	4721
Homo sapiens chromosome 21 segment HS21C010	NT	AL163210.2	1.00E-55	1.0	14410	9323	4197
Homo saplens chromosome 21 segment HS21C067	NT	AL163267.2	1.00E-55	3.5	14129	9042	3907
43c5 Human retina cDNA randomly primed sublibrary Homo sapiens cDNA	EST_HUMAN	W28189.1	1.00E-55	1.2	13614	8506	3363
wt73a10.x1 Soares_thymus_NHFTh Homo saplens cDNA done IMAGE:2513082 3' similar to WP:Y47H9C.2 CE20283;	EST_HUMAN	AW027307.1		1.6	12958	7757	2670
wt73a10.x1 Soares_thymus_NHFTh Homo sapiens cDNA clone IMAGE:2513082 3' similar to WP:Y47H9C.2 CE20263;	EST_HUMAN	AW027307.1	1.00E-55	1.6	12957	7757	2670
Homo saplens CLP mRNA, partial cds	TN	L54057.1	1.00E-55	1.4	12863	7661	2568
Homo sapiens mRNA for KIAA0406 protein, partial cds	NT	AB007866.2	1.00E-55	1.7	12804	7603	2507
Homo sapiens mRNA for KIAA0406 protein, partial cds	NT	AB007866.2	1.00E-55	1.7	12803	7603	2507
Horno saplens HLA-A*0101 gene for MHC class I antigen, exons 1-8	NT	AJ278305.1	1.00E-55	12.0	12770		2470
Homo sapiens testis-specific Testis Transcript Y 1 (TTY1) mRNA, partial cds	N	AF000990.1	1.00E-55	1.0	12603	7873	2290
	5803174 NT	58031	1.00E-55	0.8		7383	2277
801120116F1 NIH_MGC_20 Homo saplens cDNA clone IMAGE:2867027 5	EST_HUMAN	BE277861.1	1.00E-55	0.9	12213	7024	1907
801120116F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:2867027 5'	EST_HUMAN	BE277861.1		0.9	12212		1907
Homo sapiens mRNA for KIAA0903 protein, partial cds	NT	AB020710.1	1.00E-55	1.2	11420	6268	1132
RC-BT091-200199-072 BT091 Homo saplens cDNA	EST_HUMAN	Al905421.1	1.00E-55	1.4		5734	574
Oryctolagus cuniculus New Zealand white elongation factor 1 alpha (Rabefia2) mRNA, complete cds	NT	U09823.1	1.00E-55	4.1	10501	5376	182
Homo saplens mannose-6-phosphate receptor (cation dependent) (M6PR) mRNA	)60 NT	4505060	1.00E-55	0.5	10423	5297	85
	EST_HUMAN	BE070016.1	2.00E-55	2.9	13397	8290	3141
MR1-BT0405-080300-001-004 BT0405 Homo sapiens cDNA	EST_HUMAN	BE070016.1	2.00E-55	2.9	13396	Г	3141
Homo seplens ubiquitin protein ilgase E3A (human papilloma virus E6-associated protein, Angelman syndrome) (UBE3A) mRNA	4507798 NT	45077	2.00E-55	0.8	13188	8079	2928
Homo saplens putative protein O-mannosyltransferase (POMT2), mRNA	7019494 NT	70194	2.00E-55	0.8	12121	6932	1813
	7019494 NT	70194	2.00E-55	0.8	12120		1813
Homo sapiens syntaxin-binding protein 1 (STXBP1) mRNA, and translated products	4507296 NT	4507	2.00E-55	1.1	10915		633
Human endogenous retroviral DNA (4-1), complete retroviral segment	NT.	M10976.1	2.00E-55	0.9			539
Human endogenous retrovirus pHE.1 (ERV9)	NT	X57147.1	2.00E-55	0.8	10682	5549	373
Homo sapiens chromosome 21 segment HS21C100	NT	AL163300.2	4.00E-55	1.4	13496		324;
Homo sapiens Xq pseudoautosomai region; segment 1/2	NT	AJ271735.1	4.00E-55	1.0		7641	2545
Homo sapiens ubiquitin-conjugating enzyme E2 variant 1 (UBE2V1) mRNA	4507794 NT	4507	4.00E-55	1.3	12578	7368	2262
Homo sapiens diacylgiycerol kinase, gamma (90kD) (DGKG) mRNA	4503314 NT	4503	4.00E-55	2.8	12357	7152	2039
Homo sapiens diacy/giycerol kinase, gamma (80kD) (DGKG) mRNA	4503314 NT	4503	4.00E-55	2.8	12356	7152	2039
Homo saplens proteasome (prosome, macropain) subunit, alpha type, 2 (PSWA2) mRNA	4506180 NT	4506	4.00E-55	0.6	12296	7094	1979
Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 2 (PSMA2) mRNA	4506180 NT	4506	4.00E-55	0.6	12295	7094	1979
Homo sapiens predicted osteoblast protein (GS3786), mRNA	7661713 NT	7661	4.00E-55	0.7	11726	6550	1422

			7	$\neg$	_	7														$\neg$	_	П	1							7		<del>.</del> 1	
1774	866	294	13	4109	4109	609	4963	3622	3622	984	2959	2334	2334	716	716	513	4470	4327	3761	3086	3086	2103	1318	3138	2781	2676	. 2676	25	25	1666	4261	2703	5081
6895	6014	5480	5221	9235	9235	5767	10066	8761	8761	6109	8110	7437	7437	7897	7897	5677	9590	9450	8899	8237	8237	7214	6447	8287	5679	7763	7763	5234	5234	6790	9386	7789	5081 10179
12083	11174	10611	10322	14319	14318		15138	13854	13853		13216	12646	12645	11009	11008		14686	14538		13337	13336	12424	11613	13394	10800	12964	12963	10338	10337	11966	14470	12989	15259
0.6	2.0	1.0	0.5	1.2	1.2	0.7	1.5	1.8	1.8	1.4	0.9	1.0	1.0	1.2	1.2	1.0	2.1	4.1	1.4	1.6	1.6	2.7	9.9	1.1	1.0	1.5	1.5	2.1	2.1	0.8	<b>i</b>	1.9	1.2
8.00E-57	8.00E-57	8.00E-57	8.00E-57	9.00E-57	9.00E-57	9.00⊑-57	1.00E-56	1.00E-56	1.00E-56	1.00E-56	2.00E-56	2.00E-56	2.00E-56	2.00E-56	2.00E-56	2.00E-56	3.00E-56	3.00E-56	3.00E-56	3.00⋿-56	3.00⊑-56	3.00E-56	3.00E-56	4.00E-56	4.00E-56	4.00E-56	4.00E-56	4.00E-56	4.00E-56	5.00E-56	6.00E-56	7.00E-56	1.00E-55
7 AA496109.1	7 AW264599.1	7 AW816405.1	7 8923349 NT	7 4758279 NT	7 4758279	7 AW880885.1	6 AI905162.1	8 AW589833.1	6 AW589833.1	6 AF190930.1		8 4585863 NT	5 4585863 NT	8 BE064386.1	5 BE064386.1	3 AA199818.1	5902085	8 AL163268.2	3 AF055066.1		3 AA325826.1	6912697	8924029	6 AW293688.1	6 AF003528.1	3 4507728 NT		8 AF141349.1	6 AF141349.1	5 AW997712.1	6 R96413.1	8 H19934.1	5 8923125 NT
EST HUMAN	EST_HUMAN	EST_HUMAN	1	9 NT	9 NT	EST_HUMAN	EST HUMAN		EST_HUMAN	Z	Z	3 NT	3 NT	EST HUMAN		EST_HUMAN	5 NT	NT	NT	EST_HUMAN	EST_HUMAN	7 NT	9NT	EST_HUMAN	NT	8INT .	BNT	NT	Z	EST_HUMAN	EST_HUMAN	EST_HUMAN	5 NT
zv51b12.r1 Soares testis NHT Homo sapiens cDNA clone IMAGE:757151 5	x/05d10.x1 NCI_CGAP_Bm53 Homo sapiens cDNA clone IMAGE::2759251 3' similar to gb:U05875 INTERFERON-GAMMA RECEPTOR BETA CHAIN PRECURSOR (HUMAN);	QV4-ST0234-161199-037-f05 ST0234 Homo saplens cDNA		Homo sapiens EphA4 (EPHA4) mRNA	Homo sapiens EphA4 (EPHA4) mRNA	QV0-OT0033-070300-152-h03 OT0033 Homo saplens cDNA		hg23c11.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2946452 3	hg23c11.x1 NCI_CGAP_GC6 Homo sapiens cDNA done IMAGE:2946452 3	Macaca fascicularis protein tyrosine phosphatase (PRL-1) mRNA, complete cds	Homo sapiens mRNA for KIAA1414 protein, partial cds	Homo saplens phosphodiesterase 6A, cGMP-specific, rod, alpha (PUE6A), mKNA	Homo sapiens phosphodiesterase 6A, cGMP-specific, rod, slpha (PDE6A), mRNA	RC4-BT0310-110300-015-f10 BT0310 Homo sapiens cDNA		zq52a08.s1 Stratagene neuroepithellum (#937231) Homo sapiens cDNA done IMAGE:645206 3'	Homo sapiens superkiller viralicidic activity 2 (S. cerevisiae homolog)-like (SKIV2L), mRNA	Homo sapiens chromosome 21 segment HS21C088	Homo sapiens MHC class 1 region	EST28889 Cerebellum II Homo sapiens cDNA 5' end	EST28889 Cerebellum II Homo sapiens cDNA 5' end	Homo sapiens oncogene TC21 (TC21), mRNA	Homo sapiens hypothetical protein PRO1304 (PRO1304), mRNA	UI-H-Bi2-aho-d-07-0-UI.s1 NCI_CGAP_Sub4 Homo sapiens cDNA clone IMAGE:2727588 3'	Homo sepiens X-linked anhidroitic ectodermal dyspiasia protein gene (EDA), exon 2 and flanking repeat regions	Homo sapiens tubulin, beta polypeptide (TUBB) mKNA			Homo saplens beta-tubulin mRNA, complete cds	RC3-BN0053-170200-011-h01 BN0053 Homo sapiens cDNA	yq37e01.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:197976 5'	yn62g03.r1 Soares adult brain N2b5HB55Y Homo sapiens cDNA cione IMAGE:173044 5' similar to contains THR repetitive element;	Homo sapiens hypothetical protein FLJ20126 (FLJ20126), mRNA

	7	7	_	7				П			Т				7	<u> </u>			Т	T	Т	Т	Т	Т	Т	7	7	7	
	2207	3382	3382	2945	638	638	2184	4409	3504	3504	3392	2699	3639	3514	2342	1309	787	3694	200	300	3804	2522	3313	3212	2592	2592	5107	3335	3335
			П	7	5797	5797	7293	9529	8646	8646	8534	7785	8778	8655	7444	6437	5938	8833	9000	2028	9039	8381	838	8360	7684	_		8479	8479
	12529	13632	13631		10922	10921	12505	14618	13756	13755		12985		13762	12651		11090	13925	1,000	14032	14025	13498	13470	13469	12886	12885	15282	13593	13592
	0.9	4.2	4.2	2.8	6.0	0.9	=	6.9	0.8	0.8	2.9	i.	115.9	1.2	1.0	3.9	0.8	1.2		3 :	3 6	200	0.9	0.9	0.7	0.7	1.0	0	1.0
	6.00E-58	7.00E-58	7.00E-58	8.00E-58	8.00E-58	8.00E-58	1.00E-57	2.00E-57	2.00E-57	2.00E-57	2.00⊑-57	2.00E-57	3.00E-57	3.00E-57	3.00E-57	3.00E-57	3.00E-57	4.00E-57		7 00E-57	7 00E-57	7 00E-57	7.00E-57	7.00E-57	7.00E-57	7.00E-57	8.00E-57	8.00E-57	8.005-57
	8 BE395061.1	8 BE263616.1	8 BE263616.1	8 7706132	8 AI798376.1	8 AI798376.1	7 AW503208.1	_	7 R07702.1	7 R07702.1		7 AA845419.1	7 AW853964.1	7 AF232708.1	7 AA348335.1	7 AA230279.1	7 4507798 NT	AB026898.1			AF01287	1				7657592 NT	7 AA971001.1	7 4758279 NT	1N 8/70C/#
	EST HUMAN		EST_HUMAN	2 NT	EST_HUMAN	EST_HUMAN	EST HUMAN		EST HUMAN	EST_HUMAN	TN	EST_HUMAN	EST HUMAN	NT	EST HUMAN	EST HUMAN	BNT	3		3	NT	TNB	BNT	BNT	2 NT	2 NT	EST_HUMAN	9NT	S I I I
TCAAP1E1219 Pediatric acute myelogenous leukemia cell (FAB M1) Baylor-FIGSC	601309465F1 NIH_MGC 44 Homo sapiens CUNA Gone IMAGE:3001000 0	601192037F1 NIH_MGC_7 Homo sapiens cDNA Gone IMAGE:3535577 5	601162037F1 NIH_MGC_7 Homo saplens cDNA clone IMAGE:3535977 5	Homo sapiens DHHC1 protein (LOC51304), mRNA	tr34507.x1 NCI_CGAP_0v23 Homo sapiens cDNA clone IMAGE:2220181 3 similar to TR:015476 015475 UNNAMED HERV-H PROTEIN ;	TR:015475 015475 UNNAMED HERV-H PROTEIN;	UI-HF-BND-akt-g-07-0-UI-T NIH MGC SU nomo sapians GUIVA GOIR INVAGE. SU 1970 S	Homo saplens chromosome 21 segment HS21CU83	ye98h01.r1 Soares fetal liver spieen 1NFLS Homo saplens cDNA done IMAGE:125809 5'	ye98h01.r1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:125809 5'	Homo sapiens chromosome 21 segment HS21CU04	ak02b02.s1 Soares_parathyroid_tumor_NbHPA Homo sepiens cDNA clone IMAGE:1404747 3' similar to contains Atu repetitive element;contains element MER22 repetitive element;	RC3-CT0254-110300-027-d10 CT0254 Homo sapiens CUNA		EST54770 Hippocampus il Homo sapiens cunna o eno	SW:RS10_HUMAN P46783 40S RIBOSOMAL PROTEIN S10.;	Homo saplens ubiquitin protein ligase E3A (numan papilioma virus Eo-associated protein, Angelman syndrome) (UBE3A) mRNA		Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3,	Homo saplens phosphatidylinositol 4-kinase 230 (pl4K230) mRNA, complete cds	Homo sabiens phosphatidylinositol 4-kinase 230 (pi4K230) mRNA, complete cds	Homo sablens Kruppel-like factor 8 (KLF8), mRNA	Homo sapiens NME7 (NME7), mRNA	Homo sapiens NME7 (NME7), mRNA	Homo saplens smg GDS-ASSOCIATED PROTEIN (SMAP), mRNA		op67h02.s1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:1581939 3	Homo sapiens EphA4 (EPHA4) mRNA	Homo sapiens chirte (critice) initiates

wf48c11.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2358836 3'	EST_HUMAN	AI807484.1		6.2	13339	8239	3000	_
Homo sapiens TATA box binding protein (TBP) mRNA		07378	_	9.9	12503	7291	2182	_
oz43h01.x1 Soares NhHMPu_S1 Homo sapiens cDNA clone IMAGE:1678129 3'	NAMUH TSE	Al141063.1	_	4.9	15085	10002	4895	-
Human prohormone converting enzyme (NEC2) gene, exon 4	TN	M95963.1		0.9	14838	9741	4627	
Homo saplens transition protein 1 (during histone to protamine replacement) (TNP1) mRNA	NT	4507628	1.00E-58	0.8	13892	8798	3659	
Homo seplens chondroitin sulfate proteoglycan 2 (versican) (CSPG2) mRNA	NT T	4758081 NT	1.00E-58	1.0	13748	8634	3493	_
Homo saplens chondroltin sulfate proteoglycan 2 (versican) (CSPG2) mRNA	NT	4758081 NT	1.00E-58	1.0	13747	8634	3493	
Homo saplens sterol regulatory element binding transcription factor 2 (SREBF2) mRNA	NT	4759169	1.00€-58	1.0	13059	7855	2771	
hy10/08.x1 NCI_CGAP_GC6 Homo saplens cDNA clone IMAGE:3198935 3'	EST_HUMAN	BE466132.1	1.00E-58	2.0	11938	6767	1641	_
Homo sapiens partial AF-4 gene, exons 2 to 7 and Alu repeat elements	NT	AJ238093.1	1.00E-58	1.1	11668	6503	1375	
EST369252 MAGE resequences, MAGD Homo sapiens cDNA	EST_HUMAN	AW957182.1	_	0.7	11600	6434	1305	,
EST369252 MAGE resequences, MAGD Homo sapiens cDNA	EST_HUMAN	AW957182.1	1.00E-58	0.7	11599	6434	1305	_
Homo sapiens NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9 (22kD, 822) (NDUFB9), mRNA	NT	6274549	1.00E-58	1.9	11343	6191	1052	_
Human complement component C5 mRNA, 3'end	NT	M65134.1	1.00E-58	0.9	10995	5860	705	
TAX responsive element binding protein (MOUSE);	EST_HUMAN	BE208532.1	2.00E-58	4.1		6397	1268	_
ba08b07.y1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2823733 5' similar to gb:X69391 60S RIBOSOMAL PROTEIN L6 (HUMAN); gb:X81987 M.musculus mRNA for								
QV0-OT0033-010400-182-a07 OT0033 Homo saplens cDNA	EST_HUMAN	AW881145.1	2.00E-58	0.5	11333	6180	1040	_
Homo saplens 5-aminolevulinate synthase 2 (ALAS2) gene, complete cds	NT	AF068624.1	2.00E-58	2.8	11230	6072	925	_
Homo sapiens peptide YY (PYY) mRNA	TN	4758981	3.00E-58	0.9	11661	6495	1367	_
yg10e02.r1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:31693 5'	EST_HUMAN	R17879.1	3.00€-58	1.2		5513	332	
Homo saplens EGF-like repeats and discoldin I-like domains 3 (EDIL3), mRNA	NT	5031660 NT	4.00E-58	2.1	13912	8819	3680	
Human mRNA, Xq terminal portion	NT	D16470.1	4.00E-58	1.1	13536	8428	3283	_
Human beta-prime-adaptin (BAM22) gene, exon 3	NT	U36251.1	4.00E-58	1.0	12883	7683	2590	
Homo sapiens ubiquitin-conjugating BIR-domain enzyme APOLLON mRNA, complete cds	NT	AF265555.1	4.00E-58	1.0	12829	7627	2531	
Homo sapiens coagulation factor IX (plasma thromboplastic component, Christmas disease, hemophilia B) (F9) mRNA	NT	4503648 NT	4.00E-58	1.2	11753	6579	1452	
Homo sapiens interleukin 10 receptor, beta (IL10RB), mRNA	NT	4504634 NT	4.00E-58	0.5	11080	5931	779	_
Homo sapiens ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit (oligomydn sensitivity conferring protein) (ATP50) mRNA	NT .	4502302 NT	4.00E-58	6.1	10679	5547	369	
or98e07.s1 NCI_CGAP_Lu5 Homo sapiens cDNA clone IMAGE:1603908 31	EST_HUMAN	AA988183.1	5.00E-58	3.6	13534	8426	3281	
CM3-UM0043-240300-127-e07 UM0043 Homo saplens cDNA	EST_HUMAN	AW797948.1	5.00E-58	1.0	11465	6310	1177	
CM3-UM0043-240300-127-607 UM0043 Homo saplens cDNA	EST_HUMAN	AW797948.1		1.0	11464	6310	1177	
CM3-UM0043-240300-127-e07 UM0043 Homo sapiens cDNA	!. N	AW797948.1		1.5	11465	6310	1176	
CM3-UM0043-240300-127-e07 UM0043 Homo sapiens cDNA	EST_HUMAN	AW797948.1	5.00E-58	1.5	11464	6310	1176	
Homo sapiens synaptojanin 1 (SYNJ1), mRNA	ĭ	4507334	5.00E-58	1.0	10613	5483	297	
TCAAP1E1219 Pediatric acute myelogenous leukemia cell (FAB M1) Baylor-HGSC project=TCAA Homo saplens cDNA clone TCAAP1219	EST_HUMAN	BE242150.1	6.00E-58	1.2	13125	8022	2871	

	T		1	1																								1		1						
٦		1 1 1 1 1	146 65	4354	1826	2942	2188	2188	78		4088			738	737	2125	2125	1455	2575	157	4734		.:	$\neg$	$\neg$	2082	2082	1682 2	1682	22	П	П	4685	778	4559	3338
5675	8075	8815 15	6532	9476	6945	8093	7297	7297	5284	5284	9214	7193	5949	5891	5891	7235	7235	6582	7668	5353	9845	9795	8891	83 41	8241	7194	7192	88	88	5413	5217	9797	9797	5928	9677	8482
10796	14075	11994	11703	14567			12512	12511	10411	10410	14297	12397	11099	11036	11036	12444	12443	11756			14938	14898	13981	13344	13343	12399	12398	11988	11987	10534		14901	14900	11078	14769	
0.5	0 8	1.3	1.0	2.1	0.8	1.1	0.9	0.9	0.7	0.7	2.6	0.6	1.2	11.0	2.3	1.0	1.0	1.0	0.9	1.2	1.9	1.1	1.2	3.7	3.7	2.8	2.8	3.6	3.6	<u>-</u>	2.0	1.2	1.2	0.8	5.9	3.9
1.00€-60	2 00 E-60	2.00분-60	2.00E-60	3.00E-60	3.00€-60	4.00E-60	4.00E-60	4.00E-60	5.00E-60	5.00E-60	7.00E-60	7.00E-60	7.00E-60	7.00E-60	7.00E-60	8.00E-60	8.00E-60	8.00E-60	1.00E-59	1.00E-59	3.00E-59	3.00E-59	3.00€-59	3.00E-59	3.00E-59	3.00E-59	3.00E-59	3.00€-59	3.00E-59	3.00E-59	3.00E-59	4.00E-59	4.00E-59	4.00E-59	5.00E-59	5.00E-59
		_	Z11694.1	AJ271735.1	6031190	AA299037.1	AW503208.1	AW503208.1	AI807917.1	AI807917.1	4505488 NT	AF077188.1	4504634 NT	AF055066.1	7.00E-60 AF055066.1	5174656	5174656 NT	4759159 NT	AA748468.1	BE296411.1	7427522	4759329 NT	4508044 NT	4502014 NT	4502014 NT	AF249745.1	AF249745.1	4505860 NT	4505860 NT	7662247 NT	AW965524.1	4506758	4506758	D80006.1	X83497.1	[AL158142,1
EST HUMAN	N	NT.	NT	N	ONT	EST_HUMAN	EST_HUMAN	b'	EST_HUMAN	EST HUMAN	1	4	NT	NT	3	SNT	S NT	9 NT	EST_HUMAN	EST_HUMAN	Z,	NT TN	NT	‡ NT	NT	N	NT.	NT	NT	- 1	EST_HUMAN	BNT	BNT	NT	NT	2
PM3-HT0605-270200-001-e06 HT0605 Homo sapiens cDNA	Homo saplens chromosome 21 unknown mRNA	Human ber protein mRNA, 5' end	H.saplens 41kDa protein kinase related to rat ERK2	Homo sapiens Xq pseudoautosomal region; segment 1/2	Homo sapiens prohibitin (PHB) mRNA	EST11498 Uterus Homo sapiens cDNA 5' end similar to similar to retrovirus-related pol		10.		T GBC S1	arboxylase	Homo sapiens cullin 4A (CUL4A) mRNA, complete cds	Homo sapiens interleukin 10 receptor, beta (IL10RB), mRNA	1	Homo sapiens MHC class 1 region	Homo sapiens differentiation-related gene 1 (nickel-specific induction protein) (RTP) mRNA	Homo sapiens differentiation-related gene 1 (nickel-specific induction protein) (RTP) mRNA	Homo sapiens small nuclear ribonucleoprotein D3 polypeptide (18kD) (SNRPD3) mRNA	oa56h11.s1 NCI_CGAP_GCB1 Homo sapiens cDNA done IMAGE:1309029 3' similar to TR:Q13537 Q13537 MER37 TRANSPOSABLE ELEMENT, COMPLETE CONSENSUS SEQUENCE:;	601176757F1 NIH_MGC_17 Homo sapiens cUNA clone IMAGE:3531827 5	sine phosph	Homo sapiens Testis-specific XK-related protein on Y (XKRY) mRNA	Homo sapiens zona pellucida glycoprotein 2 (sperm receptor) (ZP2) mRNA	Homo saplens A kinase (PRKA) anchor protein 1 (AKAP1), mRNA	Homo sapiens A kinase (PRKA) anchor protein 1 (AKAP1), mRNA	Homo sapiens chromosome 2q22 RhoGEF mRNA, complete cds			Homo sapiens plasminogen activator, tissue (PLATa) mRNA	Homo sapiens KIAA0680 gene product (KIAA0680), mRNA	EST377582 MAGE resequences, MAGI Homo sapiens cDNA	Homo sapiens ryanodine receptor 3 (RYR3) mRNA	Homo saplens ryanodine receptor 3 (RYR3) mRNA	Human mRNA for KIAA0184 gene, partial cds	H.sapiens DNA for ZNF80-linked ERV9 long terminal repeat	Novel numan gene mapping to challesome 22

2788   7724   15027   0.7   1.00E-50   L.16258.2   NT					0:0		_	٤
7823   13027   0.7   1.00E-60   L41825.1   NT   9881   15065   1:1   1.00E-60   L41825.2   NT   9881   15065   1:1   1.00E-60   AL163285.2   NT   1.00E-61   AN006478.1   EST_HUMAN   7724   12928   1.4   8.00E-61   AW006478.1   EST_HUMAN   7724   12928   1.4   8.00E-61   AW006478.1   EST_HUMAN   7724   12928   1.7   8.00E-61   AW006478.1   EST_HUMAN   7724   12928   1.7   8.00E-61   AW006478.1   EST_HUMAN   772670   NT   7706670   NT   NT   NT   770670   NT   NT   NT   NT   NT   NT   NT   N		ı	7662318	1.00E-61	٥٥١		1	332
7823   13027   0.7   1.00E-60   L41825.1   NT     9881   15065   1:1   1.00E-60   AL163285.2   NT     7724   12827   1.4   8.00E-61   AW006478.1   EST_HUMAN     7724   12828   1.4   8.00E-61   AW006478.1   EST_HUMAN     7724   12928   1.4   8.00E-61   AW006478.1   EST_HUMAN     7724   12928   1.4   8.00E-61   AV006478.1   EST_HUMAN     7724   12928   1.4   8.00E-61   AV006478.1   EST_HUMAN     8072   10450   0.9   7.00E-61   7706670   NT     5320   10451   0.9   7.00E-61   7706670   NT     5320   10451   0.9   7.00E-61   7706670   NT     5320   10451   0.9   7.00E-61   AF19860.1   NT     5320   10451   0.9   7.00E-61   BE409310.1   EST_HUMAN     5422   10577   0.7   6.00E-61   BE409310.1   EST_HUMAN     5423   11592   3.5   6.00E-61   AF19860.1   NT     5424   11924   0.8   6.00E-61   AF19860.1   NT     6738   11908   1.0   6.00E-61   AF19860.1   NT     6738   11938   1.9   5.00E-61   AL163279.2   NT     8263   13367   0.8   5.00E-61   AL163279.1   EST_HUMAN     6754   11924   0.5   2.00E-61   AF19861.1   EST_HUMAN     6754   11939   1.3   2.00E-61   AF188410.1   EST_HUMAN     6755   10778   0.5   2.00E-61   BE188410.1   EST_HUMAN     6826   11482   1.4   2.00E-61   BE188410.1   EST_HUMAN     6826   11482   1.4   2.00E-61   BE188410.1   EST_HUMAN     6826   11482   1.4   2.00E-61   BE188410.1   EST_HUMAN     7694   1.2   2.00E-61   BE384973.1   EST_HUMAN     7694   1.2   2.00E-61   BE384973.1   EST_HUMAN     7694   1.3   1.00E-61   AL163203.2   NT     7695   11670   1.1   1.00E-61   AL163203.2   NT     7696   12429   0.5   1.00E-61   AL163203.2   NT     7697   12427   1.6   1.00E-61   AL163203.2   NT     7698   12427   1.6   1.00E-61   AL163203.2   NT     7699   12427   1.6   1.00E-61   AL163203.2   NT     7690   12467   0.5   1.00E-61   AL163203.2   NT		EST HUMAN	BE386363.1	1.00E-61	1.7		Т	280
7823   13027   0.7   1.00E-60   L41825.1   NT   9881   15065   1:1   1.00E-60   AL182385.2   NT   9881   15065   1:1   1.00E-60   AL183285.2   NT   9881   15065   1:1   1.00E-61   AW006478.1   EST_HUMAN   7724   12827   1.4   8.00E-61   AW006478.1   EST_HUMAN   8.7724   12828   1.4   8.00E-61   X57147.1   NT   1.7724   12828   1.4   8.00E-61   X57147.1   NT   1.7724   12828   1.4   8.00E-61   X57147.1   NT   1.7726670   NT   NT   1.7726670   NT   NT   1.7726670   NT   NT   NT   NT   NT   NT   NT   N		EST_HUMAN	AW827281.1	1.00E-61	0.5			2150
7823   13027   0.7   1.00E-60   L41825.1   NT     9881   15065   1:1   1.00E-60   AL163285.2   NT     7724   12927   1.4   8.00E-61   AW006478.1   EST_HUMAN     7724   12928   1.4   8.00E-61   X57147.1   NT     8072   10450   0.9   7.00E-61   X57147.1   NT     5320   10451   0.9   7.00E-61   7706670   NT     5320   10451   0.9   7.00E-61   AF19860.1   NT     5320   10451   0.9   0.6   6.00E-61   BE409310.1   EST_HUMAN     5945   11908   0.6   6.00E-61   BE409310.1   EST_HUMAN     5945   11908   0.6   6.00E-61   AF19860.1   NT     6738   11908   0.6   6.00E-61   AF19860.1   NT     6738   11939   0.8   5.00E-61   AL163279.2   NT     8152   13252   1.9   5.00E-61   AL229041.1   NT     8263   13367   0.8   5.00E-61   AB020632.1   NT     8265   10778   0.5   2.00E-61   BE168410.1   EST_HUMAN     6856   1078   0.5   2.00E-61   BE168410.1   EST_HUMAN     6856   11482   1.4   2.00E-61   BE168410.1   EST_HUMAN     6856   11483   1.4   2.00E-61   BE168410.1   EST_HUMAN     6857   12429   0.5   2.00E-61   BE168410.1   EST_HUMAN     6858   11939   1.3   2.00E-61   BE394973.1   EST_HUMAN     6859   0.9   1.00E-61   AL163203.2   NT     6854   1.0   1.0   1.00E-61   AL163203.2   NT     6854   1.0   1.0   1.00E-61   AL163203.2   NT     1 6854   1.0   1.0   1.00E-61   AL163203.2   NT     1 6854   1.0   1.0   1.00E-61   AL163203.2   NT     1 6854   1.0   1.0   1.00E-61   AL163203.2   NT     1 6854   1.0   1.0   1.00E-61   AL163203.2   NT     1 6854   1.0   1.0   1.00E-61   AL163203.2   NT     1 6854   1.0   1.0   1.0   1.0     1 6854   1.0   1.0   1.0   1.0     1 6854   1.0   1.0   1.0   1.0     1 6854   1.0   1.0   1.0   1.0     1 6854   1.0   1.0   1.0   1.0     1 6854   1.0   1.0   1.0   1.0     1 6854   1.0   1.0   1.0   1.0     1 6854   1.0   1.0   1.0   1.0     1 6854   1.0   1.0   1.0   1.0     1 6854   1.0   1.0   1.0     1 6855   1.0   1.0   1.0   1.0     1 6854   1.0   1.0	Homo sapiens zona peliudua glycopioteili on jepaini company 1 - 77 : 177	INT	6005983	1.00E-81	1.6		$\neg$	1814
7823   13027   0.7   1.00E-60   L41825.1   NT     9881   15065   1:1   1.00E-60   AL163285.2   NT     7724   12927   1.4   8.00E-61   AW006478.1   EST_HUMAN     7724   12928   1.4   8.00E-61   AW006478.1   EST_HUMAN     7724   12928   1.7   8.00E-61   X57147.1   NT     8072   1.7   8.00E-61   X57147.1   NT     5320   10450   0.9   7.00E-61   7706670   NT     5320   10451   0.9   7.00E-61   8E409310.1   EST_HUMAN     5321   10592   3.5   6.00E-61   8E257400.1   EST_HUMAN     6428   11908   1.0   6.00E-61   8E257400.1   EST_HUMAN     6738   11908   1.0   6.00E-61   AA596033.0   NT     6784   11924   0.8   5.00E-61   AB020632.1   NT     6326   11482   1.4   2.00E-61   AB020632.1   NT     6326   11483   1.4   2.00E-61   8E396279.1   EST_HUMAN     6326   11483   1.4   2.00E-61   8E168410.1   EST_HUMAN     6326   11483   1.4   2.00E-61   8E168410.1   EST_HUMAN     6326   11483   1.4   2.00E-61   8E188410.1   EST_HUMAN     6326   11482   1.1   2.00E-61   8E398973.1   EST_HUMAN     6326   11482   1.1   1.00E-61   AL163203.2   NT	Human polymorphic trinucleotide repeat in X-linked retnitis pigmentosa (RF-3) gene region	T	U32657.1	1.00E-61	1.0			1731
7823   13027   0.7   1.00E-60   L41825.1   NT     9981   15065   1:1   1.00E-60   AL163285.2   NT     7724   12827   1.4   8.00E-61   AW006478.1   EST_HUMAN     7724   12828   1.4   8.00E-61   AW006478.1   EST_HUMAN     7724   12928   1.7   8.00E-61   X57147.1   NT     8072   1.7   8.00E-61   X57147.1   NT     5320   10450   0.9   7.00E-61   7706670   NT     5320   10451   0.9   7.00E-61   RE409310.1   EST_HUMAN     5320   10451   0.6   6.00E-61   RE409310.1   EST_HUMAN     5321   1096   0.6   6.00E-61   AF119860.1   NT     5322   10577   0.7   6.00E-61   AF119860.1   NT     6428   11592   3.5   6.00E-61   AF119860.1   NT     6428   11592   3.5   6.00E-61   AF19860.1   NT     6738   11908   1.0   6.00E-61   AF19860.1   EST_HUMAN     6738   11908   1.0   6.00E-61   AL163279.2   NT     8263   13367   0.8   5.00E-61   AL163279.2   NT     8273   13357   0.8   5.00E-61   AL229041.1   NT     8283   13357   0.8   5.00E-61   AL229041.1   NT     8283   13357   0.5   2.00E-61   BE398279.1   EST_HUMAN     6326   11482   1.1   3.00E-61   BE188410.1   EST_HUMAN     6326   11483   1.4   2.00E-61   BE188410.1   EST_HUMAN     6326   11483   1.4   2.00E-61   NE3039.1   EST_HUMAN     6326   11480   1.3   2.00E-61   NE3039.1   NT     6326   11480   1.3   1.00E-61   NE3039.2   NT     6326   11480   1.3   1.00E-61   NE3039.2	Homo sapiens cindinosonie za segmenta i con coco	2	AL163203.2	1.00E-61	1.1	11670		1377
7823   13027   0.7   1.00E-60   L41825.1   NT   9981   15065   1:1   1.00E-60   AL163285.2   NT   7724   12927   1.4   8.00E-61   AW006478.1   EST_HUMAN   7724   12928   1.4   8.00E-61   AW006478.1   EST_HUMAN   7724   12928   1.4   8.00E-61   AW006478.1   EST_HUMAN   7724   12928   1.7   8.00E-61   X57147.1   NT   7706670   NT   NT   770670   NT   NT   NT   NT   NT   NT   NT   N	Homo sapiens origin recognition complex, subunit 2 (yeast homolog)-like (CRC2L) mixiva	T	5453829	1.00E-61	1.3	11056		756
7823 13027 0.7 1.00E-60 L41825.1 NT 9881 15065 1:1 1.00E-60 AL163285.2 NT 7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN 17724 12927 1.7 8.00E-61 AW006478.1 EST_HUMAN 17724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN 17724 12928 1.7 8.00E-61 AW006478.1 EST_HUMAN 17724 12928 1.7 8.00E-61 AW006478.1 EST_HUMAN 18072 1.7 8.00E-61 AW006478.1 EST_HUMAN 18072 1.0450 0.9 7.00E-61 AW006478.1 EST_HUMAN 15320 10450 0.9 7.00E-61 AW006478.1 EST_HUMAN 15320 10451 0.9 7.00E-61 BE409310.1 EST_HUMAN 15320 10451 0.9 7.00E-61 BE209310.1 EST_HUMAN 15320 10451 0.9 7.00E-61 BE271980.1 NT 6428 11592 3.5 6.00E-61 BE271980.1 NT 6428 11592 3.5 6.00E-61 AA598033.1 EST_HUMAN 17324 11924 0.8 6.00E-61 AA598033.1 EST_HUMAN 17324 11923 0.8 6.00E-61 AA598033.1 EST_HUMAN 17322 1.9 5.00E-61 AB020832.1 NT 6754 11929 0.5 2.00E-61 BE396279.1 EST_HUMAN 1828 119329 1.1 3.00E-61 BE396279.1 EST_HUMAN 19245 10428 10.5 2.00E-61 BE396279.1 EST_HUMAN 19245 10428 10.5 2.00E-61 BE396279.1 EST_HUMAN 19245 10428 10.5 2.00E-61 BE396279.1 EST_HUMAN 19246 10.5 2.00E-61 BE396279.1 EST_HUMAN 19246 10.5 2.00E-61 BE396279.1 EST_HUMAN 19246 10.5 2.00E-61 N53039.1 EST_HUMAN 19246 10.5 N53039.1 EST_HUMAN 19246 10.5 N53039.1 EST_HUMAN	Tollo sapialis dilginissono e sugnissono	2	AL163203.2	_	0.9			428
7823 13027 0.7 1.00E-60 L41825.1 NT 9881 15065 1:1 1.00E-60 AL163285.2 NT 7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN 17724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN 17724 12928 1.7 8.00E-61 AW006478.1 EST_HUMAN 17724 12928 1.7 8.00E-61 AW006478.1 EST_HUMAN 17724 12928 1.7 8.00E-61 AW006478.1 EST_HUMAN 18072 1.7 8.00E-61 AW006478.1 EST_HUMAN 18072 1.0450 0.9 7.00E-61 AW006478.1 EST_HUMAN 18320 10450 0.9 7.00E-61 AW006478.1 EST_HUMAN 18320 10451 0.9 7.00E-61 BE409310.1 EST_HUMAN 18320 10451 0.9 7.00E-61 BE409310.1 EST_HUMAN 18320 10451 0.6 8.00E-61 BE274980.1 IEST_HUMAN 18320 11998 0.6 8.00E-61 BE274980.1 EST_HUMAN 18320 11998 0.6 8.00E-61 AA598033.1 EST_HUMAN 18320 11992 0.8 5.00E-61 AB020832.1 NT 18320 13387 0.8 5.00E-61 AB020832.1 NT 18320 1.3 4.00E-61 BE396279.1 EST_HUMAN 18320 11993 1.3 4.00E-61 BE396279.1 EST_HUMAN 18320 11483 1.4 2.00E-61 BE396279.1 EST_HUMAN 18320 1.5 0.00E-61 BE396279.1 EST_HUMAN 18320 1.5 0.00E-61 BE396279.1 EST_HUMAN 18320 1.5 0.00E-61 BE306279.1			BE384973.1	_	1.2		П	2604
7823 13027 0.7 1.00E-60 L41825.1 NT 9881 15066 1.1 1.00E-60 AL163285.2 NT 7724 12927 1.4 8.00E-61 AV0006478.1 EST_HUMAN 7724 12928 1.4 8.00E-61 AV0006478.1 EST_HUMAN 7724 12928 1.7 8.00E-61 X57147.1 NT 8072 1.7 8.00E-61 X57147.1 NT 5320 10450 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 RE409310.1 EST_HUMAN 5452 10577 0.7 6.00E-61 RE409310.1 EST_HUMAN 5945 11996 0.6 6.00E-61 RE257400.1 EST_HUMAN 6738 11998 1.0 6.00E-61 AA596033.1 EST_HUMAN 6754 11924 0.8 6.00E-61 AA596033.1 EST_HUMAN 6754 11953 0.6 5.00E-61 AA596033.1 EST_HUMAN 6754 11953 0.6 5.00E-61 AA596033.1 NT 8263 13367 0.8 5.00E-61 AA596033.1 EST_HUMAN 6561 13422 1.9 5.00E-61 AB0220632.1 NT 9034 1.7 5.00E-61 AB0220632.1 NT 9034 1.7 5.00E-61 W28189.1 EST_HUMAN 6565 10778 0.5 2.00E-61 RE386279.1 EST_HUMAN 6565 10778 0.5 2.00E-61 RE386279.1 EST_HUMAN 6565 10778 0.5 2.00E-61 RE386410.1 EST_HUMAN 6565 10778 0.5 2.00E-61 RE386410.1 EST_HUMAN 6566 11482 1.4 2.00E-61 RE386410.1 EST_HUMAN 6566 11939 1.3 2.00E-61 RE386410.1 EST_HUMAN	L	3	4758003		0.5	12429	П	2109
7823 13027 0.7 1.00E-60 L41825.1 NT 9881 15065 1:1 1.00E-60 AL163285.2 NT 7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN 8072 1.7 8.00E-61 X57147.1 NT 5320 10450 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 BE409310.1 EST_HUMAN 5452 10577 0.7 6.00E-61 BE409310.1 EST_HUMAN 5452 10577 0.7 6.00E-61 BE409310.1 EST_HUMAN 6738 11908 1.0 6.00E-61 BE257400.1 EST_HUMAN 6754 11924 0.8 6.00E-61 AA596033.1 EST_HUMAN 6754 11925 0.6 5.00E-61 AA596033.1 EST_HUMAN 6750 11953 0.6 5.00E-61 AA596033.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 EST_HUMAN 6780 11953 0.6 5.00E-61 AB020632.1 NT 6780 11953 0.6 5.00E-61 AB020632.1 NT 6780 11953 0.6 5.00E-61 AB020632.1 NT 6780 11953 0.6 5.00E-61 BE39679.2 NT 6780 11953 0.6 5.00E-61 BE39679.1 EST_HUMAN 6561 1.3 4.00E-61 BE39679.1 EST_HUMAN 6561 1.3 3.00E-61 BE39679.1 EST_HUMAN 6565 10778 0.5 2.00E-61 BE188410.1 EST_HUMAN 6565 10778 0.5 2.00E-61 BE188410.1 EST_HUMAN 6326 11482 1.4 2.00E-61 BE188410.1 EST_HUMAN	similar to gb:L25444 60S RIBOSOMAL	[-	N53039.1		1.3	11939		1642
7823 13027 0.7 1.00E-60 L41825.1 NT 9881 15065 1:1 1.00E-60 AL163285.2 NT 7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN 8072 1.7 8.00E-61 7706670 NT 5320 10450 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 8E409310.1 EST_HUMAN 5945 11096 0.6 6.00E-61 BE409310.1 EST_HUMAN 6748 11592 3.5 6.00E-61 BE267400.1 EST_HUMAN 6754 11924 0.8 6.00E-61 BE267400.1 EST_HUMAN 6758 11953 0.6 5.00E-61 AA596033.1 EST_HUMAN 6758 11953 0.6 5.00E-61 AA596032.1 NT 8263 13397 0.8 5.00E-61 AB020632.1 NT 8310 13422 1.9 5.00E-61 AB020632.1 NT 9034 1.7 5.00E-61 BE396279.1 EST_HUMAN 6556 10778 0.5 2.00E-61 BE396279.1 EST_HUMAN 1 5655 10778 0.5 2.00E-61 BE396279.1 EST_HUMAN 1 6326 11482 1.4 2.00E-61 BE189410.1 EST_HUMAN	CONTRACTOR OF THE PROPERTY OF	ESI HUMAN	BE168410.1	1_	1.4	11483		1192
7823 13027 0.7 1.00E-60 L41825.1 NT 9881 15065 1:1 1.00E-60 AL163285.2 NT 7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN 8072 1.7 8.00E-61 7706670 NT 5320 10450 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 BE409310.1 EST_HUMAN 5452 10577 0.7 6.00E-61 BE409310.1 EST_HUMAN 5452 10577 0.7 6.00E-61 BE409310.1 EST_HUMAN 6754 11908 0.6 6.00E-61 BE257400.1 EST_HUMAN 6754 11908 1.0 6.00E-61 AA596033.1 EST_HUMAN 6754 11924 0.8 6.00E-61 AA596033.1 EST_HUMAN 6754 11925 0.8 5.00E-61 AA596032.1 NT 8263 13367 0.8 5.00E-61 AB020632.1 NT 8263 13367 0.8 5.00E-61 AB020632.1 NT 8263 13367 0.8 5.00E-61 AB020632.1 NT 8310 13422 1.9 5.00E-61 AB020632.1 NT 8310 13422 1.9 5.00E-61 BE3679.1 EST_HUMAN 85651 1.3 4.00E-61 BE39679.1 EST_HUMAN 85655 10778 0.5 2.00E-61 BE39679.1 EST_HUMAN	QV3-H10513-060400-147-001 H10513	EST HUMAN	BE168410.1		1.4	11482		1192
7823 13027 0.7 1.00E-60 L41825.1 NT 9881 15065 1:1 1.00E-60 AL163285.2 NT 7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN 8072 1.7 8.00E-61 7706670 NT 5320 10450 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10577 0.7 6.00E-61 BE409310.1 EST_HUMAN 5945 11096 0.6 6.00E-61 BE409310.1 EST_HUMAN 6728 11592 3.5 6.00E-61 AF119860.1 NT 6428 11592 3.5 6.00E-61 AF119860.1 NT 6738 11908 1.0 6.00E-61 AA596033.1 EST_HUMAN 6774 11924 0.8 6.00E-61 AA596033.1 EST_HUMAN 6780 11953 0.6 5.00E-61 AA596032.1 NT 8263 13367 0.8 5.00E-61 AB020632.1 NT 8263 13367 0.8 5.00E-61 AB020632.1 NT 8310 13422 1.9 5.00E-61 AB020632.1 NT 8310 13422 1.9 5.00E-61 AB020632.1 NT 8326 1.3 4.00E-61 BE36279.1 EST_HUMAN 85661 1.3 4.00E-61 BE36279.1 EST_HUMAN 85661 1.3 3.00E-61 BE36279.1 EST_HUMAN	Homo sapiens nypouieucai protein res	Nī	8922829	<u></u>	0.5	10778	_	490
7823 13027 0.7 1.00E-60 L41825.1 NT 9881 15065 1:1 1.00E-60 AL163285.2 NT 7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN 8072 1.7 8.00E-61 7706670 NT 5320 10450 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 BE409310.1 EST_HUMAN 5452 10577 0.7 6.00E-61 BE409310.1 EST_HUMAN 5452 11592 3.5 6.00E-61 BE409310.1 EST_HUMAN 6734 11908 1.0 6.00E-61 BE257400.1 EST_HUMAN 6754 11924 0.8 6.00E-61 AF119860.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 EST_HUMAN 6754 11954 0.8 5.00E-61 AA596032.1 NT 8152 13252 1.9 5.00E-61 AB020632.1 NT 8263 13367 0.8 5.00E-61 AB020632.1 NT 8263 13367 0.8 5.00E-61 AB020632.1 NT 8310 13422 1.9 5.00E-61 AJ229041.1 NT 65661 1.3 4.00E-61 M228189.1 EST_HUMAN	L	EST_HUMAN	BE396279.1		1.1	14329	$\neg$	4119
7823 13027 0.7 1.00E-60 L41825.1 NT 9881 15065 1:1 1.00E-60 AL163285.2 NT 7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN 8072 1.7 8.00E-61 7706670 NT 5320 10450 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 8E409310.1 EST_HUMAN 5452 10577 0.7 6.00E-61 BE409310.1 EST_HUMAN 5452 10577 0.7 6.00E-61 BE409310.1 EST_HUMAN 6738 11908 0.6 6.00E-61 BE409310.1 EST_HUMAN 6734 11924 0.8 6.00E-61 BE257400.1 EST_HUMAN 6754 11924 0.8 6.00E-61 AF19860.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 EST_HUMAN 6750 11953 0.6 5.00E-61 AA596033.1 EST_HUMAN 6750 11953 0.6 5.00E-61 AA596033.1 EST_HUMAN 6760 11953 0.6 5.00E-61 AA596033.1 EST_HUMAN 6780 11953 0.6 5.00E-61 AA596033.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 NT					1.3		6561	1434
7823 13027 0.7 1.00E-60 L41825.1 NT 9881 15065 1:1 1.00E-60 AL163285.2 NT 7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN 8072 1.7 8.00E-61 7706670 NT 5320 10450 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 8E409310.1 EST_HUMAN 5945 11096 0.6 6.00E-61 BE409310.1 EST_HUMAN 6748 11592 3.5 6.00E-61 BE409310.1 EST_HUMAN 6754 11908 1.0 6.00E-61 BE257400.1 EST_HUMAN 6754 11908 1.0 6.00E-61 AF119860.1 NT 6780 11953 0.6 6.00E-61 AA596033.1 EST_HUMAN 6770 11953 0.6 5.00E-61 AA596033.1 EST_HUMAN 6780 11953 0.6 5.00E-61 AA596033.1 NT 8263 13367 0.8 5.00E-61 AA596032.1 NT 8263 13367 0.8 5.00E-61 AB020632.1 NT		1			1.7		9034	3899
7823 13027 0.7 1.00E-60 L41825.1 NT 9881 15065 1:1 1.00E-60 AL163285.2 NT 7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN 8072 1.7 8.00E-61 7706670 NT 5320 10450 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 7.00E-61 7706670 NT 5320 10451 0.9 6.00E-61 BE409310.1 EST_HUMAN 5945 11096 0.6 6.00E-61 BE409310.1 EST_HUMAN 5945 11592 3.5 6.00E-61 BE257400.1 EST_HUMAN 6738 11908 1.0 6.00E-61 BE257400.1 EST_HUMAN 6754 11924 0.8 6.00E-61 AA596033.1 EST_HUMAN 6754 11953 0.6 5.00E-61 AA596033.1 EST_HUMAN 6750 11953 0.6 5.00E-61 AA596033.1 NT 6780 11953 0.6 5.00E-61 AA596033.1 NT	(APP), mRNA	NT	4502166	5.00E-61	1.9	13422	8310	3161
7823 13027 0.7 1.00E-60 L41825.1 NT  9881 15065 1:1 1.00E-60 AL163285.2 NT  7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN  7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN  7724 12928 1.7 8.00E-61 X57147.1 NT  5320 10450 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 8E409310.1 EST_HUMAN  5452 10577 0.7 6.00E-61 BE409310.1 EST_HUMAN  5452 10577 0.7 6.00E-61 BE409310.1 EST_HUMAN  6738 11908 0.6 6.00E-61 BE257400.1 EST_HUMAN  6754 11924 0.8 6.00E-61 AA598033.1 EST_HUMAN  6750 11953 0.6 5.00E-61 AA598033.1 EST_HUMAN  6780 11953 0.6 5.00E-61 AA598033.1 EST_HUMAN	Homo sapiens make for kind out to receive a provincia se nexin-il. Alzheimer disease)	2			0.8	13367	8263	3114
7823 13027 0.7 1.00E-60 L41825.1 NT  9881 15065 1:1 1.00E-60 AL163285.2 NT  7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN  7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN  8072 1.7 8.00E-61 X57147.1 NT  5320 10450 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 8E409310.1 EST_HUMAN  5452 10577 0.7 6.00E-61 BE409310.1 EST_HUMAN  5945 11096 0.6 6.00E-61 BE409310.1 EST_HUMAN  6738 11908 1.0 6.00E-61 BE257400.1 EST_HUMAN  6754 11924 0.8 6.00E-61 AA596033.1 EST_HUMAN  6780 11953 0.6 5.00E-61 AA596038 NT	Homo sapiens chronicsonie z i segment narial cris	NT		_	1.9	13252	8152	3000
7823 13027 0.7 1.00E-60 L41825.1 NT  9881 15065 1:1 1.00E-60 AL163285.2 NT  7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN  7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN  7724 12928 1.7 8.00E-61 X57147.1 NT  8072 1.7 8.00E-61 X57147.1 NT  5320 10450 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 8E409310.1 EST_HUMAN  5452 10577 0.7 6.00E-61 BE409310.1 EST_HUMAN  5945 11096 0.6 6.00E-61 BE409310.1 EST_HUMAN  6738 11908 1.0 6.00E-61 BE257400.1 EST_HUMAN  6754 11924 0.8 6.00E-61 AA596033.1 EST_HUMAN	Homo sapiens protein priospiralase i, regulatory security to the same of the s	N	8008	_	0.6	11953	6780	1655
7823 13027 0.7 1.00E-60 L41825.1 NT  9881 15065 1:1 1.00E-60 AL163285.2 NT  7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN 17724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN 17724 12928 1.7 8.00E-61 X57147.1 NT  8072 1.7 8.00E-61 X57147.1 NT  5320 10450 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 7706670 NT  5320 10451 0.9 7.00E-61 8E409310.1 EST_HUMAN 17945	Ĺ	14		$\perp$	8.0	11924	6754	1628
7823 13027 0.7 1.00E-60 L41825.1 NT  9881 15065 1:1 1.00E-60 AL163285.2 NT  7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN  7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN  8072 1.7 8.00E-61 X57147.1 NT  98820 10450 0.9 7.00E-61 7706670 NT  98830 10450 0.9 7.00E-61 7706670 NT  98845 11096 0.6 6.00E-61 BE409310.1 EST_HUMAN  98845 11592 3.5 6.00E-61 AF119860.1 NT	L				1.0	11908	6738	1612
7823 13027 0.7 1.00E-60 L41825.1 NT Homo sapiens CYP17 g 9881 15065 1:1 1.00E-60 AL 163285.2 NT Homo sapiens chromos 7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN W05b10.x1 NCI_CGAP 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN W05b10.x1 NCI_CGAP 8072 1.7 8.00E-61 X57147.1 NT Human endogenous ret 8072 10450 0.9 7.00E-61 T7706670 NT Homo sapiens PXR2b p 5320 10451 0.9 7.00E-61 T706670 NT Homo sapiens PXR2b p 5320 10450 0.9 7.00E-61 T706670 NT Homo sapiens PXR2b p 5320 10450 0.9 7.00E-61 T706670 NT Homo sapiens PXR2b p 5320 10450 0.9 7.00E-61 EST_HUMAN 801300938F1 NIH_MG 5452 10577 0.7 6.00E-61 BE409310.1 EST_HUMAN 801300938F1 NIH_MG				_1	3.5	11592	6428	1299
7823         13027         0.7         1.00E-60         L41825.1         NT         Homo sapiens CYP17 g           9881         15065         1:1         1.00E-60         AL163285.2         NT         Homo sapiens chromos           7724         12927         1.4         8.00E-61         AW006478.1         EST_HUMAN         w05b10.x1 NCI_CGAP           7724         12928         1.4         8.00E-61         AW006478.1         EST_HUMAN         w05b10.x1 NCI_CGAP           8072         1.7         8.00E-61         X57147.1         NT         Human endogenous retu           5320         10450         0.9         7.00E-61         7706670         NT         Homo sapiens PXR2b p           5320         10450         0.9         7.00E-61         7706670         NT         Homo sapiens PXR2b p           5320         10450         0.9         7.00E-61         7706670         NT         Homo sapiens PXR2b p           5320         10450         0.9         7.00E-61         7706670         NT         Homo sapiens PXR2b p           5320         10450         0.9         7.00E-61         7706670         NT         Homo sapiens PXR2b p           5320         10451         0.9         7.00E-61	L				0.6	11096	5945	792
7823 13027 0.7 1.00E-60 L41825.1 NT Homo sapiens CYP17 g 9881 15065 1:1 1.00E-60 AL163285.2 NT Homo sapiens chromos 9881 15065 1:1 1.00E-61 AL163285.2 NT Homo sapiens chromos 7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN W05b10.x1 NCI_CGAP 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN W05b10.x1 NCI_CGAP 7724 12928 1.7 8.00E-61 X57147.1 NT Human endogenous retu 8072 1.7 8.00E-61 X57147.1 NT Homo sapiens PXR2b p 5320 10450 0.9 7.00E-61 7706670 NT Homo sapiens PXR2b p 5320 10450 0.9 7.00E-61 7706670 NT Homo sapiens PXR2b p 5320 10450 0.9 7.00E-61 7706670 NT Homo sapiens PXR2b p 5320 10450 0.9 7.00E-61 7706670 NT Homo sapiens PXR2b p 5320 10450 0.9 7.00E-61 7706670 NT Homo sapiens PXR2b p	Ц	-1			0.7	10577	5452	265
7823 13027 0.7 1.00E-60 L41825.1 NT Homo saplens CYP17 g 9881 15065 1:1 1.00E-60 AL163285.2 NT Homo saplens chromos 7724 12927 1.4 8.00E-61 AW006478.1 EST HUMAN wt05b10.x1 NCI_CGAP 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN wt05b10.x1 NCI_CGAP 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN wt05b10.x1 NCI_CGAP 8072 1.7 8.00E-61 X57147.1 NT Human endogenous return separation of the color of the	Homo sapiens PXR2b protein (PXR2b), mRNA	NT	7706670	7 005-51		200	320	3 2
7823 13027 0.7 1.00E-60 L41825.1 NT Homo saplens CYP17 g 9881 15065 1:1 1.00E-60 AL163285.2 NT Homo saplens chromos 7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN wt05b10.x1 NCI_CGAP 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN wt05b10.x1 NCI_CGAP 8072 1.7 8.00E-61 X57147.1 NT Human endogenous return saplens PXR2b p 5320 10450 0.9 7.00E-61 7706670 NT Homo saplens PXR2b p	Homo sapiens PXR2b protein (PXR2b), mRNA	Y	7706670	7.00E-61	0.0	10450	2200	3 2
7823 13027 0.7 1.00E-60 L41825.1 NT Homo saplens CYP17 g 9881 15065 1:1 1.00E-60 AL163285.2 NT Homo saplens chromos 7724 12927 1.4 8.00E-61 AW006478.1 EST HUMAN wt05b10.x1 NCI_CGAP 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN wt05b10.x1 NCI_CGAP 8072 1.7 8.00E-61 X57147.1 NT Human endogenous return for the composition of the compositi	Homo saplens PXR2b protein (PXR2b), mRNA	NT	7706670	700=-81	000	200	3 2	
7823 13027 0.7 1.00E-60 L41825.1 NT Homo saplens CYP17 g 9881 15065 1:1 1.00E-60 AL163285.2 NT Homo saplens chromos 7724 12927 1.4 8.00E-61 AW006478.1 EST HUMAN wt05b10.x1 NCI_CGAP 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN wt05b10.x1 NCI_CGAP 7724 12928 1.4 8.00E-61 X57147.1 NT Human endogenous ret	Homo sapiens PXR2b protein (PXR2b), mRNA	T	7706670	_	0.9	25	5350	33 5
7823 13027 0.7 1.00E-60 L41825.1 NT Homo sapiens CYP17 g 9881 15065 1:1 1.00E-60 AL163285.2 NT Homo sapiens chromos 7724 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN wt05b10.x1 NCI_CGAP 7724 12928 1.4 8.00E-61 AW006478.1 EST_HUMAN wt05b10.x1 NCI_CGAP				_	1.7	07871	8072	2032
7823 13027 0.7 1.00E-60 L41825.1 NT Homo sapiens CYP17 g 9981 15065 1:1 1.00E-60 AL163285.2 NT Homo sapiens chromos 7774 12927 1.4 8.00E-61 AW006478.1 EST_HUMAN wt05b10.x1 NCI_CGAP	wt05b10.x1 NCI_CGAP			_		12025	1	2000
7823 13027 0.7 1.00E-60   L41825.1   NT Homo sapiens CYP17 g	wt05b10.x1 NCI_CGAP_Co3 Homo saplens cDNA clone IMAGE:25055553	7			-	12927	7774	2625
78231 13027 0.7 1,00E-60 [L41825.1 NT Homo saplens CYP17 gene, 5' end	Homo saplens chromosome 21 segment HS21C085	Y		1.00E-60 A		15065		4874
		Y.			0.7	13027	7803	2770

Homo sapiens neuronoromin z (cilateral accusado reducida ) (vir. z) inimas.	INT	4557794 NT	3.00E-62	1:1	10400	5275	88
- ! *	NT	AJ243213.1	4.00E-62	2.0	П	10052	4947
Homo sapiens Keraun To (NXT To) IIINNA		57.887	4.00E-62	6.6		8497	3353
Kappit navin-containing monotoxygenase rimos minos comprose con			4.00E-62	1.3	13074	7972	2821
to gb:X57138_ma1 HISTONE H2B.2 (HUMAN)	EST_HUMAN	AI827900.1		1.4	12716	7508	2409
to gb:x57138_ma1 HISTONE H28.2 (HUMAN):  TO GB: X57138_ma1 HISTONE H28.2 (HUMAN):  TOBO S1 Homo septems CDNA clone IMAGE:2350359 3' similar	EST HUMAN	AI827900.1	4.00E-62	1.4	12715	7508	2409
EST 182043 JUNKET 1-2818 V POLITO SAPIGNA CONA CIONA CIONA IMAGE: 2350359 3' Similar	EST HUMAN	AA311281.1	4.00E-62	0.9		6573	1446
		AW161479.1		1.6	11130	5972	823
similar to get: 1003.y i schinelider fetal brain 00004 Homo sapiens cDNA done IMAGE:2781701 5	EST_HUMAN	AW161479.1	4.00E-62	1.6	11129	5972	823
PRECURSOR (HUMAN);  STATE OF THE STATE OF TH	EST_HUMAN	AW161479.1	4.00E-62	1.2	11130	5972	822
	EST_HUMAN	AW161479.1	4.00E-62	1.2	11129	5972	822
	EST_HUMAN	AA431093.1	5.00E-62	1.7	14439	9357	4233
Homo sapiens ryanodine receptor 3 (XTX3) IIINVX	NT	4506758 NT	5.00E-62	2.2	13622	8515	3372
Homo sapiens Xq pseudoautosomai region, segment 1/2	NT	AJ271735.1	L	1.2	12665	7458	2358
Homo saplens Xq pseudoautosomai region, segment 1/2	N	AJ271735.1		1.2	12664	7458	2356
wx51e07.x1 NCI_CGAP_Lu28 Homo sapiens curva conte invace_zo+12c+3 similar in swingers5 HUMAN Q08379 GOLGIN-95.;contains element MER22 repetitive element;	EST_HUMAN	Al950528.1	5.00E-62	1.5	10715	5578	410
Human zinc tinger protein ZNF 131 mRNA, parvai cus	N.	U09410.1	6.00E-62	1.1		8120	2969
(AUTOANTIGEN NOR-90)	SWISSPROT		7.00E-62	0.8	13716	8603	3462
SW:POL_MLVRK P31785 POL POLYPROTEIN:	EST_HUMAN	AA830420.1	8.00E-62	0.8	14670	8571	4451
Homo sapiens chromosome 21 segment nozitorio	NT	AL163210.2	1.00E-61 /	0.9	15067	2866	4878
UI-H-BW0-ajt-b-08-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE:2732871 3'	EST HUMAN		1.00E-61	7.6	14955	9862	4751
UI-H-BW0-ajt-b-08-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE:2732871 3'	EST_HUMAN	AW298181.1	1.00E-61	7.6	14954	9862	4751
Homo sapiens TRAF family member-associated NFRD activator (LANN) HINNE	3	4759249 NT	1.00E-61	1.0	14552	9462	4339
Homo sapiens TRAF family member-associated NFKB acuvator (LANK) III. NANK	NT	4759249 NT	1.00E-61	1.0	14551	9462	4338
QV2-HT0577-140300-077-g06 HT0577 Homo sapiens CUNA	EST HUMAN	BE174455.1	11	1.5	13904	8810	3671

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Homo sapiens jun dimerization protein gene, partial cds; cfos gene, complete cds; and	LIN	0.291114V	2 00E-63	1 1	14966	1286	4760
Homo sapiens polycystic kidney disease-associated protein (PKD1) gene, complete cds	NT	L39891.1	2.00E-63	1.9	14067	8968	3831
Homo sapiens chromosome 3 subtelomeric region	NT	AF109718.1	2.00E-63	1.8	13502	8395	3248
Homo sapiens amyloid beta (A4) precursor protein (protease nexin-li, Alzheimer disease) (APP), mRNA	NT	4502166	2.00E-63	1.7	13373	8268	3119
Homo sapiens RHCE mRNA for Rh blood CE group antigen polypeptide, complete cds	NT	AB030388.1	2.00E-63	0.9	11845	6674	1547
Homo sapiens RHCE mRNA for Rh blood CE group antigen polypeptide, complete cds	TN	AB030388.1	2.00E-63	0.9	11844	6674	1547
Homo sapiens Down syndrome candidate region 1 (DSCR1), mRNA	TN	7657042 NT	2.00E-63	1.8	11115	5960	809
Homo sapiens glutamate-cysteine ilgase (gamma-glutamytcysteine synthetase), catalytic (72.8kD) (GLCLC) mRNA	NT	4557624 NT	2.00E-63	1.4		5654	489
Homo sapiens eyes absent (Drosophila) homolog 2 (EYA2), mRNA	NT	4885226 NT	2.00E-63	9.0	10512	5385	191
Human DNA topolsomerase i mRNA, partial cds	TN	U07804.1	2.00E-63	1.1	10504	5378	184
	EST_HUMAN	AW954734.1		3.2	14661	9565	4445
Homo saplens zinc finger protein 144 (Mel-18) (ZNF144), mRNA	NT	6005963 NT	3.00E-63	3,1	11510	6349	2791
Human Met-tRNA-i gene 1	NT	J00310.1		1.3	13038	7837	2753
Homo sapiens mRNA for KIAA0717 protein, partial cds	TN	AB018260.1	3.00E-63	0.7	12198	7010	1893
Homo sapiens chromosome 21 segment HS21C078	TN	AL163278.2	4.00E-63	1.0	13533	8424	3279
wm55g11.x1 NCI_CGAP_Ut2 Homo sapiens cDNA clone IMAGE:2439908 3'	EST_HUMAN	AI872137.1	7.00E-63	0,6		6059	913
Homo saplens chromosome 21 segment HS21C068	NT	AL163268.2	8.00E-63	3.4	14375	9294	4168
Gallus gallus Dach2 protein (Dach2) mRNA, complete cds	TN	AF198349.1		3.8	13667	8557	3415
Gallus gallus Dach2 protein (Dach2) mRNA, complete cds	TN	AF198349.1		3.8	13666	8557	3415
Homo saplens IL2-inducible T-œli kinase (ITK), mRNA	NT	5031810	8.00⊑-63	0.8	12634	7425	2322
Homo saplens monoamine oxidase A (MAOA), nuclear gene encoding mitochondrial protein, mRNA	NT.	4557734 NT	8.00E-63	0.6	12609	7400	2296
Homo sapiens mRNA for KIAA0350 protein, partial cds	TN	AB002348.2	9.00E-63	7.4	14171	9088	3955
	NT	AB002348.2	9.00E-63	7.4	14170	9088	3955
C18159 Human placenta cDNA (TFujlwara) Homo sapiens cDNA clone GEN-558C10 5'	EST_HUMAN	C18159.1	9.00E-63	0.6		7401	2297
	EST_HUMAN	AW816405.1	9.00E-63	0.7	10641	5516	335
Homo sapiens hypothetical protein FLJ20212 (FLJ20212), mRNA	NT	8923201	1.00E-62	1.3	14640	9547	4426
DKFZp566F104_r1 566 (synonym: hfkd2) Homo saplens cDNA clone DKFZp566F104 5'	EST_HUMAN	AL039044.1	1.00E-62	1.1	13138	8035	2884
af70e11.r1 Soares_NhHMPu_S1 Homo saplens cDNA clone IMAGE:1047404 5' similar to WP:K01H12.1 CE03453 ;	EST_HUMAN	AA625207.1	1.00E-62	1.0	12060	6879	1758
Homo sapiens ADP/ATP carrier protein (ANT-2) gene, complete cds	NT	L78810.1	1.00E-62	2.5	11820		1526
Homo sapiens Intersectin 2 (SH3D1B) mRNA, complete cds	T	AF248540.1	1.00E-62	1.2	11323		1028
Homo sapiens chromosome 21 segment HS21C084	NT	AL163284.2	2.00E-62	0.5	11501		1211
Human cyclophilin-related processed pseudogene	N	X52858.1	3.00E-62	1.9	13872	- [	3640
	Z,		3.00E-62	1.0	13261		3008
Homo sapiens mRNA for KIAA1476 protein, partial cds	NT	AB040909.1	3.00⊑-62	1.0	13260	8160	3008

	258 5446 10571	3719 8856 13949	3719 8856 13948	3101 8251 13355	2484 7581 12785	7581	2478 7576	1376 6504 11669	1072 6210 11363	2151 7261 12468	3876 8012 14107	2796 6592 11768	2796 6592 11767	1683 6807 11989	1402 6529 11700	1402 6529 11699		803 5954 11106	3084 8235 13334	3084 8235 13333	2675 7762 12962	1692 6816 11996	1692 6816 11995	4625 9739 14836	9739	8627	4674 9786	1030 6170	1307 6436 11603	1307 6436 11602	4246 9371 14451	4246 9371 14450
	0.6 1.00E-64	1.3 2.00E-64	1.3 2.00E-64	2.6 2.00E-64	1.1 2.00E-64	1.1 2.00E-64	0.6 2.00E-84	1.3 2.00E-64	0.9 2.00E-64	1.4 3.00E-64	5.6 5.00E-64	1.0 5.00E-64	1.0 5.00E-64	0.6 5.00E-64	Ш	0.9 5.00E-64		0.8 5.00E-64	3.7 6.00E-64	3.7 6.00E-64	1.1 6.00E-64	0.6 6.00E-64	0.6 · 6.00E-64	2.4 7.00E-64	2.4 7.00E-64	1.0 7.00E-84	5.2 8.00E-64	2.7 8.00E-64	0.6 9.00E-64	0.6 9.00E-64	2.9 1.00E-63	2.9 1.00E-63
4 005 84 000040 4	AF231919.1	AW958145.1	AW958145.1	64 4504068 NT	AL163246.2	AL163246.2	AI927030.1	4757701	AA609940.1	C18895.1	AF017433.1	64 7682205 NT	64 7662205 NT	U89358.1	L40933.1	64 L40933.1	64 AF231919.1	64 AF231919.1			-64 BE252937.1	-64 Al651992.1	-64 Al651992.1	-64 4507490 NT	-64 4507490 NT	-84  BE394321.1	_	_	-64 H30687.1	-64 H30687.1		-63 F08485.1
EST HUMAN	NT	EST_HUMAN	EST_HUMAN	NT	NT	NT	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	TN	TN	TN	NT	NT	T	TIN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN
au60c01.x1 Schneider fetal brain 00004 Homo sepiens cDNA clone IMAGE:2519136 3' similar to gb:L21696_cds1 PROTHYMOSIN ALPHA (HUMAN);contains element MSR1 repetitive element ;	Homo saplens chromosome 21 unknown mRNA	EST370215 MAGE resequences, MAGE Homo sapiens cDNA	EST370215 MAGE resequences, MAGE Homo sapiens cDNA	Homo sapiens glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2) (GOT2), nuclear gene encoding mitochondrial protein, mRNA	Homo saplens chromosome 21 segment HS21C046	Homo saplens chromosome 21 segment HS21C046	wo87b01.x1 NCI_CGAP_Kid11 Homo saplens cDNA clone IMAGE:2462281 3' similar to contains element L1 repetitive element;	Homo saplens elF4E-like cap-binding protein (4EHP) mRNA					Homo saplens KIAA0618 gene product (KIAA0618), mRNA	Human I(3)mbt protein homolog mRNA, complete cds	Homo sapiens phosphogiucomutase-related protein (PGMRP) gene, complete cds	Homo sapiens phosphoglucomutase-related protein (PGMRP) gene, complete cds	Homo sapiens chromosome 21 unknown mRNA	Homo sapiens chromosome 21 unknown mRNA	wv13e03.x1 NCI_CGAP_Bm23 Homo sapiens cDNA clone IMAGE:2529436 31	wv13e03.x1 NCI_CGAP_Bm23 Homo sapiens cDNA clone IMAGE:2529436 3'	801117525F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3357986 5'	wb51e07.x1 NCI_CGAP_GC6 Homo saplens cDNA done IMAGE:2309220 3' similar to gb:M15182 BETA-GLUCURONIDASE PRECURSOR (HUMAN);	wb51e07.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2309220 3' similar to gb:M15182 BETA-GLUCURONIDASE PRECURSOR (HUMAN);	Homo saplens thimet oligopeptidase 1 (THOP1) mRNA	Homo sapiens thimet oligopeptidase 1 (THOP1) mRNA	601311455F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3633204 5'		601155232F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3139038 5'	yo78c02.r1 Soares adult brain N2b4HB55Y Homo sapiens cDNA clone IMAGE:184034 5'	yo78c02.r1 Soares adult brain N2b4HB55Y Homo saplens cDNA clone IMAGE:184034 5'	HSCZVD111 normalized infant brain cDNA Homo sapiens cDNA clone c-zvd11	HSCZVD111 normalized Infant brain cDNA Homo saplens cDNA clone c-zvd11

L	EST DOINGE	3.00E-65  AI000692.1	3.00≿-65	1.0	13893	8799	3660	
contains element MSR1 repetitive elem	TOT LINANI	1	2	,				
0/23f03.\$1 Soares testis NHT Homo sapiens cDNA done IMAGE:1638173 3' similar to			3.000	-	1940	8386	3239	_
Homo sapiens laminin, beta 1 (LAMB)	. 1	4504950 NT	3 00E-85	2	T	Т	200	_
	EST_HUMAN	A1000692.1	3.00E-65	<u>:</u>	12089		1780	
nv23f03.s1 Spares testis NHT Homo sepiens cDNA clone IMAGE:1638173 3' similar to		X/8932.1	3.005-65	1.8		7868	1212	
MRNA  H capters H7E0 mRNA for ying finger projein	9NT	9055269 NT		1.0	15308	10233	5138	
Homo sapiens low density ilpoprotein receptor related protein-delega in which (250 277)								_
	9 NT	9055269 NT	4.00E-65	1.0	15307	10233	5138	
Homo saplens low density ilpoprotein receptor related protein-deleted in tumor (LKPUII),						. 600	2200	_
hu25e04.x1 NCI_CGAP_Mel15 Homo sapiens cDNA clone IMAGE:3171102 3		BE221469.1	- 1	ö	12601	7393	2288	_
hu25e04.x1 NCI_CGAP_Mei15 Homo sapiens CUNA Corie INVASE:317 102 3	EST_HUMAN	BE221469.1		1.0	12600	7393	228	_
Homo saplens ribosomal protein L34 (KPL34) mRNA	6NT	4506636	4.00E-65	3.0	11772	6597	1470	_
Homo sapiens fragile X mental fetaroagon, autosomai nomoreg i (1720), illinoise	5 NT	4826735	4.00E-65	0.6	11354	62 62 60 60	1062	_
IMAGE:1891800 3	EST_HUMAN	AI266468.1	4.00E-65	0.5	11024	5882	728	
IMAGE:1891800 3' STATE OF STAT	EST_HUMAN	A1266468.1	4.00E-65	0.5	11023	5882	728	
DKFZp761G108_r1 761 (synonym: hamy2) Homo sapiens cDNA clone	EST_HUMAN	AL120419.1	4.00E-65	1.1	10507	5380	186	
TOTIO September September Processor	N	450/646 NI	5.00E-65	1.9	13477	8365	3217	
Lamb spring uniquial specific protesse 13 (Isopeptidase T-3) (USP13) mRNA	N	4507848 NI	5.00E-65	1.9	13476	8365	3217	
OUT 14200 IT I NIT MICE IT I IUITO SEPTORE CONTROL TO SEPTORE SEPTORE TO SEPT	EST HUMAN	BE311673.1	1	1.0	12648	7438	2336	П
Homo sapiens hPAD-colony10 mRNA for peptidytarginine deiminase type i, comprese cus		AB033768.1		1.0	12430	7221	2110	
TOTTO Saperta Nicket Process (American Process (	Z	IN ICE1997	5.00E-65	0.6	11627	6460	1331	
	2	7661951	5.00E-65	0.6	11626	6460	1331	
Homo sapiens Kelus protein miruw, paruai was	3	AF064604.1	<u>L</u>	0.9	10894	5773	615	Т
gb:K03002 60S RIBOSOMAL PROTEIN L32 (HUMAN);	EST_HUMAN	AA550929.1		3.0		6998	1880	
H. sapiens DNA for endogenous retroviral like element	NT	X89211.1		0.9	12550	7337	2230	Т
H.sapiens DNA for endogenous reprovired like terminant	NT	X89211.1		0.9	12549	7337	2230	Т
Homo sapiens hypothetical protein FLJ 10823 (FLJ 10823), III NAS	NT	8922772	9.00E-65	0.5	11895	6725	1598	Т
Homo sapiens hypothetical protein FLJ 10929 (FLJ 10929), mBNA	NT	8922772 NT	1.00E-64	2.7		9268	4142	Т
Homo sapiens I RIADO MINNA, paruei cua	NT	AF228527.1	1.00E-64 /	1.3	13781	8677	3536	T
Homo sapiens I KIAD3 mKNA, partial cus	NT T	AF228527.1		1.3	13780	8677	3536	Т
and synaptophysin genes, complete cus; and t-type calculi culamina a	N	AF196779.1	1.00E-64	5.6	13720	8607	3466	
Homo sapiens transcription factor IGHM enhancer 3, JM11 protein, JM4 protein, JM5 protein, T54 protein, JM10 protein, A4 differentiation-dependent protein, triple LIM domain protein 6,								
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	1408	2425	2235	773	1344	4269	4269	4269	4591	3826	3826	2480	2480	<u>\$</u>	1332	1332	8	65	<del>1</del> <del>1</del> <del>1</del> <del>1</del> <del>1</del> <del>1</del> <del>1</del> <del>1</del> <del>1</del> <del>1</del>	415	4112	4112	3917	3917	3326	<b>₹</b>	528	4551	
	6535	7524	7342	5925	6472	8394	9394	9394	9705	8963	8983	7578	7578	6585	6461	6461	5273	5273	9535	9535	9238	9238	9051	9051	8470	7110	5692	9670	
	11707		12554	11074	11639	14478	14477	14476	14798	14062	14061	12780	12779		11629	11628	10397	10396	14625	14624	14322	14321	14139	14138	13584	12313	10814	14760	
	8.9	1.3	0.7	0.8	0.8	1.2	1.2	1.2	0.9	0.9	.0.9	1.0	1.0	1.5	0.9	0.9	0.5	0.5	<u></u>	1.1	2.4	2.4	2.1	2.1	0.9	0.9	1.3	1.4	
	3.00E-66	4.00E-66	4.00E-66	4.00E-66	5.00E-66	6.00E-66	6.00E-66	6.00€-86	8.00E-66	9.00€-66	9.00⊑-66	9.00⊑-66	9.00E-66	9.00E-66	9.00E-68	9.00E-66	9.00⊑-66	9.00E-66	1.00E-65	1.00E-65	1.00E-65	1.00E-65	1.00E-65	1.00E-65	1.00E-65	1.00E-65	1.00E-65	3.00E-65	
	4502098 NT	AJ223364.1	X89211.1	6679816	BE064410.1	Al924653.1	AI924653.1	Al924653.1	AA424304.1		M72393.1	8923843 NT		M87299.1	5031980 NT	5031980 NT	AL160311.1	AL160311.1	AW138725.1	AW136725.1	AW028340.1	AW029340.1	4504082 NT	4504082 NT	BE466681.1	AB040946.1	7657495	6912385 NT	
1	NT	NT	NT	N	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	NT	NT	NT	NT	NT	NT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NI	NT	EST_HUMAN	NT	5 NT	5 NT	
Homo sapiens solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5 (SLC25A5), nuclear gene encoding mitochondrial protein, mRNA	Homo saplens solute carrier famity 25 (mitochondrial carrier; adenine nucleotide translocator), member 5 (SLC25A5), nuclear gene encoding mitochondrial protein, mRNA	Homo sapiens germ-line DNA upstream of Jkappa locus	H.saplens DNA for endogenous retroviral like element	Mus musculus fragile X mental retardation syndrome 1 homolog (Fmr1), mRNA	RC4-BT0311-141199-011-h08 BT0311 Homo sapiens cDNA	wn57h07.x1 NCI_CGAP_Lu19 Homo sapiens cDNA done IMAGE;2449597 3' similar to WP:F15G9.4A CE18595;	wn57h07.x1 NCI_CGAP_Lu19 Homo sapiens cDNA clone IMAGE:2449597 3' similar to WP:F15G9.4A CE18595;	wn57h07.x1 NCI_CGAP_Lu19 Homo sapiens cDNA done IMAGE:2449597 3' similar to WP:F15G9.4A CE18595;	zv80c05.r1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:767048 57	Human calcium-dependent phospholipid-binding protein (PLA2) mRNA, complete cds	Human calclum-dependent phospholipid-binding protein (PLA2) mRNA, complete cds	Homo sapiens transcription factor NRF (NRF), mRNA	Homo sapiens transcription factor NRF (NRF), mRNA	Human transposon-like element, partial	Homo saplens 26S proteasome-associated pad1 homolog (POH1) mRNA	Homo saplens 26S proteasome-associated pad1 homolog (POH1) mRNA	Novel human gene mapping to chomosome 22	Novel human gene mapping to chomosome 22	UI-H-BI1-adm-a-11-0-UI.s1 NCI_CGAP_Sub3 Homo sapiens cDNA clone IMAGE:2717108 3'	UI-H-BI1-adm-a-11-0-UI.s1 NCI_CGAP_Sub3 Homo sapiens cDNA done IMAGE:2717108 3'	wx09c09.x1 NCI_CGAP_Gas4 Homo sapiens cDNA done IMAGE:2543152 31	wx09c09.x1 NCI_CGAP_Gas4 Homo sapiens cDNA clone IMAGE:2543152 3	Homo sapiens glypican 4 (GPC4) mRNA	Homo sapiens glypican 4 (GPC4) mRNA	hz24a09.x1 NCI_CGAP_GC6 Homo saplens cDNA clone IMAGE:3208888 3'	Homo sapiens mRNA for KIAA1513 protein, partial cds	Homo sapiens putative Rab5 GDP/GTP exchange factor homologue (RABEX5), mRNA	Homo sapiens rab6 GTPase activating protein (GAP and centrosome-associated) (GAPCENA), mRNA	

110110 adjusts terrinologism ( "mooning consecutions) ( as 7 miles)	+ IVI	1 All trettonet	0.00=-07	7.2	13388	8280	ار
Homo sapiens rainoblastoma 4 (including estenserroms) (RR4) mRN/	2	Y14320.1	6.00E-67	0.9	11540	Т	1252
Homo sapiene mRNA for transmebrane receptor protein	3	Z17227.1	6.00E-67	0.5	11079		778
H.sapiens mRNA for acetyl-CoA carboxylase	3	X68968.1	6.00E-67	1.3	10829	5710	547
	EST HUMAN	AW162232.1	7.00E- <b>67</b>	2.4	10716	5582	2779
Homo sapiens inositol 1,3,4-triphosphate 5/6 kinase (IIPKT), mkna	N	7657243 NT	7.00E-67	-1	12306	7103	1988
Homo sapiens inositol 1,3,4-triphosphate 5/6 kinase (ITPK1), mRNA	NI	7657243 NT	7.00E-67	1.1	12305		1988
	EST_HUMAN	W85947.1	7.00E-67	1.0	11829	6661	1535
	EST_HUMAN	W85947.1	7.00E-67	1.0	11828	6661	1535
	EST_HUMAN	AA383416.1	7.00E-67	1.0	11654	6488	1360
au75d02.x1 Schneider fetal brain C similar to gb:M37104 ATP SYNTH PRECURSOR (HUMAN);	EST_HUMAN	AW162232.1	7.00E-67	2.1	10716	5582	376
	EST_HUMAN	M78158.1	8.00E-67	0.8		9837	4829
Homo saplens HLA-B gene for human leucocyte antigen B	3	AJ133267.2	2.00E-66	12.7	14766	•	4556
Homo sapiens HLA-B gene for human leucocyte antigen B	Z,	AJ133267.2	2.00E-66	12.7	14765	П	4556
Homo saplens sodium/calcium exchanger isoform NaCa3 (NCX1) mRNA, complete cds	N	AF108389.1	2.00E-66	0.9	14.189	П	3975
H.saplens pseudogene for the low affinity IL-8 receptor	NT	X65859.1	2.00E-66 X65859.1	1.0	13201	7	2944
Homo saplens chromosome 21 segment HS21C101	TN	AL163301.2	•	0.7	12092	6904	1784
Homo sapiens origin recognition complex, subunit 5 (yeast homolog)-like (ORCSL) mKNA, and translated products	N	4505524 NT	2.00⊑-66	0.9	10307	5205	416
Homo sapiens origin recognition complex, subunit 5 (yeast nomolog)-like (UKCSL) mKNA, and translated products	N <sub>T</sub>	4505524 NT	2.00E-66	0.9	10306	5205	416
Homo sapiens Misshapen/NIK-related kinase (MINK), MKNA	NT	7657334 NT	2.00E-66	1.0	10370	5255	45
Homo sapiens Misshapen/NIK-related kinase (MINK), mRNA	TN	7657334 NT	2.00E-66	1.0	10369	5255	45
Homo sapiens KIAA0649 gene product (KIAA0649), mRNA	NT	7662223 NT	3.00E-66	5.5	13329		3079
	EST_HUMAN	N55323.1	3.00E-66	0.8	12251	7056	1939
yz27g12.r1 Soares_multiple_sclerosis_2NbHMSP Homo sapiens cDNA clone IMAGE:284326 5' similar to SW:H2B1_TIGCA P35068 HISTONE H2B.1/H2B.2. [2] PIR:B56612;	EST_HUMAN	N55323.1	3.00E-66 N55323.1	0.8	12250		1939
yz27g12.r1 Soares_multiple_sclerosis_2NbHMSP Homo sapiens cDNA clone IMAGE:284326 5' similar to SW:H2B1_TIGCA P35068 HISTONE H2B.1/H2B.2. [2] PIR:B56612;	EST_HUMAN	N55323.1	3.00E-66 N55323.1	0.8	12249	7056	1939

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Homo sapiens chromosome 21 unknown mRNA	NT	AF231919.1	5.00E-68	1.3		Т	
Homo sapiens chromosome 21 unknown mRNA	NT	AF231919.1	5.00E-68	1.3	110	Т	3
Homo sapiens chromosome 21 unknown mRNA	NT	AF231919.1	5.00E-68	0.9	11088	7	785
Homo sapiens chromosome 21 unknown mRNA	NT	AF231919.1	5.00€-68	0.9	11087	П	785
EST17103 Aorta endothelial cells, TNF alpha-treated Homo sapiens curva o end	EST HUMAN	AA304324.1	5.00E-68	1.0	10387	5265	57
EST17103 Aoria endotrellai celis, i Nr alpha-treaed nomo sepiens como o endo		AA304324.1	5.00E-68	1.0	10386	5265	57
EST17103 Aorta endothellal calls, i Nr alpha-treated fromo sapiens curva o end	EST_HUMAN	AA304324.1	5.00E-68	0.9	10387	5265	56
EST17103 Aorta endotheliai celis, INF alpha-treated nomo sapiens convo end			5.00E-68	0.9	10386	5265	56
UI-HF-BNO-alb-c-07-0-UI.r1 NIH MGC 30 Homo sapiens CUNA Cone IMAGE:301 0924 3		AW503842.1	6.00E-68	0.8		6967	1849
zq82h10.r1 Stratagene NIT neuron (#93/2/33) Homo sapiens curva dutie invase.com 103 3 similar to SW:SAV_SULAC Q07590 SAV PROTEIN.;		AA209456.1	8.00E-68	5.0	14025	8931	3794
Similar to SW:SAV_SULAC Q07590 SAV PROTEIN.;	EST_HUMAN	AA209456.1	8.00E-68	5.0	14024	8931	3794
(APP), mRNA	NT	4502166 NT	1.00E-67	1.5	10568	-5441	253
ZV9ZGUS.TI SOBIES WITHING OF HUMBER COURT COURT INVOCATION CONTROL OF THE PROPERTY OF THE PROP	EST HUMAN	AA418535.1	2.00€-67	1.1		9828	4716
Homo sapiens chromosome 21 segment Hozaro DNA done IMAGE:787706 5			2.00E-67	2.3	14142	9055	3921
Zu91g01.s1 Soares_testis_NHT Homo sapiens cUNA Gone IMAGE: (45382 3	EST_HUMAN	AA625755.1	2.00E-67	3.9	13676	85 <u>6</u> 2	3422
Homo sapiens developmentally regulated GTP-binding protein T (UKGT), mknx	NT	4758795	2.00E-67	1.2	12685	7483	2381
ba72g05.y1 NIH_MGC_20 Homo sapiens CUNA done invake: 2803876 3 Stiffled to TR:064892 094892 KIAA0798 PROTEIN.;	EST_HUMAN	BE303037.1	2.00E-67	0.5	12147	6959	1841
ba72g05.y1 NIH_MGC_20 Homo sapiens cuna done image:zeueero e similer to TR:O84892 O94892 KIAA0798 PROTEIN.	EST_HUMAN	BE303037.1	2.00E-67	0.5	12146	6959	1841
and 4	NT	AF167460.1	2.00E-67	0.6		6227	1089
	EST_HUMAN	AW816405.1	2.00E-67	2.0	11136	5976	827
WP:F23H11.9 CE09617;				0.7	10499	5374	180
MR3-SN0066-040500-008-01 SN0066 Homo sapiens curve	EST HUMAN	AW869159.1	3.00E-67	3.1	14802	9710	4596
RC4-BT0311-141199-011-h06 B10311 Homo sapiens CUVA	EST_HUMAN		_	1.1	13657	8549	3407
EST37903 Embryo, 9 week Homo sapiens cDNA 5' end	EST_HUMAN	AA333768.1	3.00E-67	0.9	10897	5775	2782
yn02d11.r1 Soares adult brain N2b4HB55Y Homo sapiens cDNA clone IMAGE:167253 5'	EST_HUMAN	R90819.1		0.6	11601	6435	1306
Homo sapiens T cell receptor beta locus, I CRBV/SSAZ to I CRBV/ZSZ region	NT	AF009660.1	5.00E-67	2.5	13445	8333	3184
Homo sapiens ubiquitin specific protease 13 (Isopepudase 1-3) (USP13) mixiva		07848		2.1		9988	5125
Homo sapiens DKFZp434P211 protein (DKFZP434P211), mKNA		7657020 NT	6.00E-67	3.4	14816	9721	4607
Homo sapiens DKFZp434P211 protein (DKFZP434P211), mRNA	N	7657020	6.00E-67	3.4	14815	9721	4607
Homo sapiens chromosome 21 segment HS21C001	NT		_	1.3	14247	9163	4035
Homo saplens chromosome 21 segment HS21C001		AL163201.2	_	1.ú	14246	9183	4035
Homo sapiens Synapsin III (SYN3) mRNA, and translated products		4507332 NT	6.00E-67	3	13630	2533	3301
Homo saciens Synapsin III (SYN3) mRNA, and translated products	NT	4507332 NT	8 005-87	3	12626	23	3304

Control of the state of the sta							
Homo sanians DGS-1 mRNA 3' and	NT IN	L77566.1	8.00E-70	2.2	14486	9402	4277
nc13d12.r1 NCI_CGAP_Pr1 Homo sapiens cDNA clone IMAGE:1008023	EST HUMAN no	AA230303.1	8.00E-70	0.6	12597	7939	2284
Rattus norvegicus brain specific cortactin-binding protein CBP90 mRNA, partial cds	NT R	AF053768.1	1.00E-69	0.9	11977	6799	1675
zw71g02.r1 Soares_testis_NHT Homo saplens cDNA clone IMAGE:781882 5'	EST_HUMAN Z	2.00E-69   AA431157.1	2.00E-69	2.7		7964	2813
801109444F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3350074 5'		2.00E-69  BE257857.1	2.00E-69	1.2	12148	6960	1842
Homo sapiens KIAA0553 protein gene, complete cds; and alphallb protein gene, partial cds	NT	AF160252.1	2.00E-69	1.7	10703	5566	398
Homo saplens KIAA0553 protein gene, complete cds; and alphalib protein gene, partial cds	H. TN	AF160252.1	2.00E-69	1.7	10702	5566	398
Homo sapiens KIAA0553 protein gene, complete cds; and alphallb protein gene, partial cds	NT H	AF160252.1	2.00E-69	1.0	10703	5566	124
Homo sapiens KiAA0553 protein gene, complete cds; and alphalib protein gene, partial cds	NT Ho	AF160252.1	2.00E-69	1.0	10702	5566	124
wh66g08.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:2385758 3'	EST_HUMAN wt	AI765888.1	3.00E-69	0.9	14206	9122	3990
Homo sapiens lymphatic vessel endothelial hyaluronan receptor 1 (LYVE-1) mRNA	•	5729910 NT	3.00E-69	0.9		7428	2325
yd08a02.r1 Soares infant brain 1NIB Homo sapiens cDNA clone IMAGE:24880 5' similar to SP:A48836 A48836 SPEGF III=EGF REPEAT-CONTAINING FIBROPELLIN-LIKE PROTEIN SEA URCHIN :	SF EST_HUMAN SE	T80514.1	3.00E-69	1.4		6662	1536
Homo saplens Smad- and Olf-interacting zinc finger protein mRNA, partial cds	NT H	3.00E-69 AF221712.1	3.00E-69	0.6	10872	5754	596
601110371F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3351352 5'	EST_HUMAN 60	3.00E-69  BE258012.1	3.00E-69	1.0	10719	5586	380
wm26h11.x1 NCI_CGAP_Ut4 Homo sapiens cDNA clone IMAGE:2437125 3'	EST_HUMAN w	AI873630.1		0.6		5673	509
Homo sapiens RIBIIR gene (partial), exon 12	H TN	AJ237744.1	8.00⊑-69	1.2		8484	3340
Homo saplens v-raf murine sarcoma viral oncogene homolog B1 (BRAF) mRNA		4757867 NT	9.00⊑-69	0.8	14250	9165	4037
Homo sapiens 26S proteasome-associated pad1 homolog (POH1) mRNA		5031980 NT	9.00E-69	0.6	11305	6151	1011
Homo sapiens 26S proteasome-associated pad1 homolog (POH1) mRNA		5031980 NT	9.00E-69	0.6	11304	6151	1011
Homo sapiens pre-B-cell colony-enhancing factor (PBEF) mRNA		5031976 NT	9.00E-69	0.6	10330	5228	19
colony-enha		1976		0.6	10329	5228	16
	HUMAN			1.0	15130	10059	4954
601177002F1 NIH_MGC_17 Homo saplens cDNA clone IMAGE:3532344 5'		BE296032.1		1.0	14149	9062	3928
UI-H-BI3-alk-f-01-0-UI.s1 NCI_CGAP_Sub5 Homo sapiens cDNA clone IMAGE:2737272 3'	EST_HUMAN UI	AW451832.1	1.00E-68	1.0	·13018	7812	2728
Homo sapiens PRO2014 mRNA, complete cds	NT H	AF119860.1	1.00∈-68	1.3	12527	7314	2205
Homo sapiens PRO2014 mRNA, complete cds	H TN	AF119860.1	1.00E-68	1.3	12526	7314	2205
QV4-ST0234-181199-037-105 ST0234 Homo saplens cDNA	EST_HUMAN Q	AW816405.1		3.2	10610	5479	293
Homo saplens meningloma (disrupted in balanced translocation) 1 (MN1), mRNA	H TN	05222		1.3	10405	5278	72
Homo saplens gene for activin receptor type IIB, complete cds	H TN	AB008681.1	2.00E-68	1.7	14793	6696	4583
Cricetulus longicaudatus mRNA for EF-1 alpha, complete cds	NT CI	000522.1		12.3		7983	2832
Mus musculus G-protein coupled receptor GPR73 (Gpr73) mRNA, complete cds		82.1		5.6	13844		3611
	SWISSPROT G	P04406		17.2		_	4900
Homo sapiens mRNA for KIAA1431 protein, partial cds	Z	AB037852.1	0.00E-68	2.0	2002	00.00	3700

		0922990	006	4.00E-/2	1.1	10228	5404		_
		NT N	L1 1040.	2/-100.0	0.9		Т	1122	
	protein, mRNA	4501866 NT		7.00E-72	5.2	14234	$\Gamma$	4023	
	protein, mRNA  Homo sapiens aconitase 2. mitochond	4501866 NT	450	7.00E-72	5.2	14233	9151	4023	
	Homo sapiens aconitase 2, mitochondrial (ACC2), nuclear gene encoding mitocondrial	4501866 NT	450	7.00E-72	5.2	14232	9151	4023	
	wk95g03.x1 NCI_CGAP_Lu19 Homo saplens cDNA clone IMAGE:2423188 3' similar to TR:086705 086705 HYPOTHETICAL 38.6 KD PROTEIN. ;contains Alu repetitive element;	EST	AI857635.1	9.00E-72	1.2	10706	5569	401	
	wk95g03.x1 NCI_CGAP_Lu19 Homo saplens cDNA clone IMAGE:2423188 3' similar to TR:086705 O86705 HYPOTHETICAL 38.6 KD PROTEIN. ;contains Alu repetitive element;	EST	Al857635.1	9.00E-72	1,2	10705	5569	401	
		2	D28476.1	1.00E-71	1.9	14582	9492	4370	_
	ŀ	N.	AF218904.1	1.00E-71	1.9	13913	8820	3681	-
	HUMAN	<u>,</u> =	BE122850.1	1.00E-71	0.9	13831	8736	3597	
	C2_15 Human Epidemial Keratinocyte Subraction Ludary Opreguation in inscriptor in insc	EST	BE122850.1	1.00E-71	0.9	13830		3597	<del>1</del>
	Homo sapiens SNARE protein kinase SNAX mkNA, complete cus	3	AF246219.1	1.00E-71	4.7	13789	П	3546	_
	Homo sapiens SNARE protein kinase SNAN mitras, complete cas	3	AF246219.1	1.00E-71	4.7	13788		3546	-7
_	Homo sapiens inorganic pyrophosphatase mknA, complete cus	S	AF119665.1	1.00E-71	1.2	13711	$\neg$	3457	
	Homo sapiens hairy/enhancer-of-split felated with TRTW mountaine (TET-), Thirty	7657153 NT	765	1.00E-71	1.8	12948		2661	т
	Homo sapiens PMS2L16 mRNA, pariai cos	Z,	AB017007.1	1.00E-71	1.2	12354	7	2036	_
	Homo sapiens PMS2L16 mRNA, partial cds	N.	AB017007.1	1.00E-71	1.2	12353	П	2036	_
		N <sub>T</sub>	AF012872.1	1.00E-71	3.8	11612	$\neg$	1317	_
	Homo sapiens disabled-2 gene, exons 2 through 15 and complete cus	Z,	AF205890.1	1.00E-71	1.4	11373	$\neg$	1 20 1 20 1	$\neg$
		7706281 NT	7706	1.00E-71	0.7	11231	Т	928	$\neg$
	oy15e03.s1 Soares_senescent_tibroble HUMAN   IMAGE:1665916 3' similar to contains	EST	AI077927.1	1.00E-71	0.7	10903		622	
	Homo sapiens chromosome 21 segment nozi covo	Z	AL163206.2	2.00E-71	0.9	11500	1759	1210	_
	Homo sapiens putative neme-binding protein (SOUL), mixty	7657602 NT	7657	4.00E-71	5.0	15099	10020	4913	-т
	Homo sapiens SP100-HMG nuclear autoanugen (SP100) minuto, wimpiero was	N <sub>1</sub>	AF056322.1	4.00E-71	3.4	14541		4330	_
	Homo sapiens plasminogen (PLG) mxnx	4505880 NT	450:	4.00E-71	1.6	13107	7	2857	7
	Homo saplens hook1 protein (HOCK1), mKNA	7705414 NT	7705	4.00E-71	0.9	13099		2850	7
	Homo sapiens hook! protein (NOCK1), MRNA	7705414 NT	7705	4.00E-71	0.9	13098	8001	2850	1
	Equus caballus glyceraldehyde-3-phosphate denydrogenase mixiva, paluar cus	3	AF157626.1	4.00E-71	39.0	10656	5528	347	_
	Equus caballus glyceraldehyde-3-phosphate dehydrogenase mxiva, parual cus	TN	AF157626.1	4.00E-71	39.0	10655	5528	347	Т
		4507592 NT	4507	4.00E-71	1.1	10431	5304	97	
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Homo sapiens chromosome 21 segment Howard	N	AL163246.2	7.00E-74	1.0	13539		3286	-
Homo sapiens NKGZU gene, exon 10	NT.	AJ001689.1	7.00E-74	1.1	12211		1906	_
POTTO BADIBITS COOSETS (COOSETS) III NAS		5/426	8.00E-74	1.4	11017	5877	723	_
	EST HUMAN	AW054828.1	1	1.0	12388	7185	2073	<u> </u>
Gailus gailus Dadit protein (Dadit) in N.Y., willprove cos	N	AF198349.1	1.00E-73	0.9	12739	7533	2434	_
transcript variants, mRNA protein (Deb2) mBNA complete ride	N	7669539 NT		1.0	13754	8645	3503	
transcript variant 3, mRNA	NT	7669539 NT	2.00E-73	1.0	13753	8645	3503	
Homo sanians Parkinson diseasa fautosomal recessive, luvenile) 2, parkin (PARK2),	2	450256Z N I	2.006-73	3.5	13401	8293	3144	1
Home caples assess 8 appoints:-related cysteins protesse (CASP8) mRNA	N	U01317.1		=		7357	2251	
RC3-NN0068-270400-011-004 NN0060 FIDING SAPIRITS COLV	EST HUMAN	AW898081.1	2.00€-73	0.5		7020	1902	
Homo sapiens BASST (BASST) mixiva, paruai cus		AF139897.1		0.6	11142	5982	833	_
Sapiens cDNA clone 10E08	EST_HUMAN	F00548.1		1.4	11535	6376	1247	
Sapiens cDNA clone 10508	EST_HUMAN	F00548.1	3.00E-73	1.4	11534	6376	1247	
Homo sapiens cilioniusonile & i segment lucationic	2	AL 163218.2	6.00E-73	0.8		5348	152	
Indino sapiens circulosomo 24 somont HC21C018	2	AL163282.2		1.6		9970	4863	
Homo sapiens chromosome 21 segment HS21CDR2	N		_	1.1	13515	8408	3261	
Homo sapiens hypothetical protein FLJ20308 (FLJ20308), IIINVA	NT	23290		0.8	11407	6255	1118	$\neg$
ov39h08.x1 Soares resus NHI Homo sapiens cuiva duris invade: recordo d	EST HUMAN	AI024877.1	8.00E-73	1.1	11695	6526	1399	7
TR:059050 HYPOTHETICAL PROTEIN MJ1656: HAROTA 3		-		1.0	11314	6161	1022	
MRO-SNOUGO-USCUC-USC-BUT ONUCAG FIGURE SPOND STATE OF STA	EST HUMAN	AW867850.1	9.00E-73	1.0	15278	10198	5102	7
MR0-CT0063-071099-002-h11 C10063 Homo sapiens CUIVA	EST_HUMAN	AW374968.1	9.00E-73	1.2	11745	6570	1443	Т
al83d02.s1 Soares_parathyroid_tumor_NonFA nonto sapietis construction infroct. 100,000	EST_HUMAN	AA846225.1	1.00E-72	0.9	12344	7143	2030	
w631a08.x1 NCI_CGAP_GC6 Homo sapiens curva cione image. Lavr 2013	EST_HUMAN		3.00E-72 AI654337.1	0.9	15032	9943	4835	Т
splice junction) [human, precursor B-cell line REH, mRNA Parial, 211 nt]	3		3.00E-72 S77589.1	2.5	13977	8888	3750	
Homo sapiens hypothetical protein ruzuoso (ruzuoso), ilinivo	3	8923548 NT	3.00E-72	2.6	13495	8388	3241	٦
Homo saplens 959 kb contig between AML1 and CBR1 on chromosome 21q22, segment 3/3	NT	AJ229043.1	3.00E-72	10.5	13291	8189	3037	1
Human chondroltin sulfate proteoglycan versican vu spilos-variant precursor pepulos innoven, complete cds	NT	U16306.1	3.00E-72	2.1	11427	6275	1139	
Human chondroitin sulfate proteoglycan versican V0 splice-variant precursor peptide minux, complete cds	NT .		3.00E-72	2.1	11426	6275	1139	
ah63a06.s1 Soares_testis_NHT Homo sapiens cDNA clone 1310290 3'	EST_HUMAN		3.00E-72 AA723823.1	4.9		8033	885	7

3203	2849	2849	5006	5006	4512	4457	3973	3483	3052	2377	2085	2027	2027	1919	1919	834	278	2669	887	4826	3652	3652	2834	2834	2268	2268	1609	1106
8351	8000	8000	10108	10108	9631	Г			П	7479	7197	7140	7140	7036	7036	5983	5465	7756		9934	8791	8791	7985	7985	7374	3 7374		
	13097	13096	15177	15176	14724	14674		13736	13304	12681	12402	12341	12340	12225	12224	11143	10595			15024	13885	13884	13086	13085	12583	12582	11905	11397
2.2	Ē	<b>±</b>	3.8	3.8	0.8	1.6	1.3	0.9	4.4	1.0	1.2	1.6	1.6	0.9	0.9	1.7	0.6	5.2	0.9	1.2	2.6	2.6	1.4	1.4	3.6	3.6	1.0	0.9
3.00E-74	3.00E-74	3.00E-74	4.00E-74	4.00E-74	4.00E-74	4.00E-74	4.00E-74	4.00E-74	4.00E-74	4.00E-74	4.00E-74	4.00E-74	4.00E-74	4.00E-74	.4.00E-74	4.00E-74	4.00E-74	5.00E-74	5.00E-74	6.00E-74	6.00E-74	6.00E-74	6.00E-74	6.00E-74	6.00E-74	6.00E-74	6.00E-74	6.00E-74
AI796960.1	AA234789.1	AA234789.1	4504326 NT	4504326 NT	Z17227.1	7662183 NT	1		AJ006976.1	4.00E-74 AJ006976.1	4.00E-74 AB032994.1	4506192	4506192	AB026898.1	AB026898.1	4.00E-74 AB028942.1	D87675.1	AW362756.1		H09912.1	6.00E-74 BE048846.1	6.00E-74 BE048846.1	AW014039.1	AW014039.1	6.00E-74 BE388260.1	BE388260.1	AW263177.1	AF109907.1
EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	Ŋ	TN	NT	NT ·	NT	NT N	NT	2NT	2 NT	NT	NT	NT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT
we25c07.x1 NCL CGAP_Lu24 Homo sapiens cDNA done IMAGE:2342124 3' similar to TR:Q13537 Q13537 SIMILAR TO POGO ELEMENT.;	zr78b10.r1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:669499 5' similar to gb:X04106_cds1 CALCIUM-DEPENDENT PROTEASE, SMALL (HUMAN);	zr78b10.r1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:669499 5' similar to gb:x04106_cds1 CALCIUM-DEPENDENT PROTEASE, SMALL (HUMAN);	Homo sapiens hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit (HADHB) mRNA	Homo sapiens hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit (HADHB) mRNA	Homo sapiens mRNA for transmebrane receptor protein	Homo sapiens KIAA0569 gene product (KIAA0569), mRNA	Homo sapiens chromosome 21 segment HS21C047	Homo sapiens chromosome 21 segment HS21C010	Homo saplens PLP gene	Homo sapiens PLP gene		Homo sapiens proteasome (prosome, macropain) subunit, beta type, 1 (PSMB1) mRNA	Homo saplens proteasome (prosome, macropain) subunit, beta type, 1 (PSMB1) mRNA	Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, complete cds)	Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, complete cds)	Homo sapiens mRNA for KIAA1019 protein, partial cds	Homo sapiens DNA for amyloid precursor protein, complete cds	PM0-CT0289-271099-001-h07 CT0289 Homo saplens cDNA	df17c09.y1 Morton Fetal Cochlea Homo sapiens cDNA clone IMAGE:2483704 5'	ym05g03.r1 Soares infant brain 1NIB Homo sapiens cDNA clone IMAGE:46895 5'	hr54e11.x1 NCI_CGAP_Kld11 Homo sapiens cDNA done IMAGE:3132332 3'	hr54e11.x1 NCI_CGAP_Kld11 Homo saplens cDNA clone IMAGE:3132332 3'	UI-H-BI0-aah-h-03-0-UI.s1 NCI_CGAP_Sub1 Homo saplens cDNA clone IMAGE:2709365 3'	UI-H-BI0-aah-h-03-0-UI.s1 NCI_CGAP_Sub1 Homo sapiens cDNA clone IMAGE:2709365 3'	601283521F1 NIH_MGC_44 Homo saplens cDNA done IMAGE:3605453 5'	601283521F1 NIH_MGC_44 Homo saplens cDNA clone IMAGE:3605453 5'	xn78g07.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2700636 3'	Homo sapiens S184 gene, partial cds; PS1 and hypothetical protein genes, complete cds; and S171 gene, partial cds

The project CTDA codes projects (DDCC11) dens complete cod							
Homo sapiens HIRA senne protease (FRSSTT) gene, cumpiese cus	NT	AF157623.1	3.00E-76	1.0	11286		986
OUTSUSCOTT NIT MICE AT FORTIO SAPIRIS CONSTITUTE TO THE CONTROLL OF THE CONTROL O	EST HUMAN	BE409464.1		4.7	13072	7969	2818
CMO-NN0057-150400-335-811 NN0057 Florid Sapiens GUNA		AW897230.1		0.5	12030	6851	1728
	EST_HUMAN	N36757.1		1.2			451
	EST HUMAN	BE081333.1	4.00E-75	1.1	10435	5310	107
	EST_HUMAN	AA789285.1	6.00E-75	0.9		10223	5128
wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva dome invoser.c+ i 705-3 similiar to wx38a08.x1 NCI_CGAP_PrZz Homo sapiens curva do	EST_HUMAN	Al817415.1	6.00E-75	0.9	12587	7379	2273
Homo sapiens UNA cytosine-b methyltransierase 3b (UNM i 3b) illinux, culliplea cus	N	8.00E-75 AF176228.1	8.00E-75	1.5		7697	2607
Homo saplens DCRR1 mRNA, partial cds	NT	D83327.1	1.00E-74	1.2	15286	$\Box$	5112
hz73h08.x1 NCI_CGAP_LuZ4 Homo sapiens cuna cione invage:3z13003 3 siiiliidi WP:B0511.12 CE17351;	EST_HUMAN	BE467769.1	1.00E-74	0.9	14377	9296	4170
RC2-BT0642-270300-019-106 BT0642 Homo sapiens CUNA	EST_HUMAN	BE083080.1	1.00E-74	0.9	14188		3974
	NT	1.00E-74 AL163268.2	1.00E-74	4.6	14116	9023	3887
Homo sapiens mannosidase, alpha, class 2A, member 1 (MANZA1), mKNA	NT	4758697	1.00E-74	6.0	13354	П	3100
Homo sepiens DNA for Human P2XM, complete cds	NT	AB002059.1	1.00E-74	2.2	12500	7	2179
	NT	AL163246.2		0.7	11283		983
Homo sapiens zinc finger protein 259 (ZNF259) mRNA	NT	4508020	1.00E-74	1.4	10863	╗	586
Homo sapiens beta 2 gene	TN	X02344.1		0.9	10784	5661	497
Homo sapiens hypothetical protein FLJ11026 (FLJ11026), mRNA		8922829		1.2	10779	7	40
QV4-ST0234-181199-037-05 ST0234 Homo saplens cDNA	EST_HUMAN	AW816405.1		1.2	0846	T	334
Homo sapiens Misshapen/NIK-related kinase (MINK), mRNA		7657334	-	1.0	10373	_	47
Human platelet glycoprotein IIb mRNA, 3' end	Z	J02963.1		1.9	15120	_	4043
Novel human gene mapping to chomosome 22	NT.	AL355092.1	2.00E-74	2.0	15115	_	4937
Novel human gene mapping to chomosome 22	Ŀ	2.00E-74 AL355092.1	2.00E-74	2.0	15114	T	4037
PT2.1_15_G11.r tumor2 Homo sapiens cDNA 3'	EST HUMAN	AI557280.1	2.00E-74 AI557280.1	=	12855	T	2558
Homo sapiens epidermal growth factor receptor (avian erythroblastic reuxemia viral (v-ero-o) concegene homolog) (EGFR) mRNA	NT	4885198 NT	2.00E-74	<u>.</u>	.11873	6703	1577
Homo saplens epidermal growth ractor receptor (avian eryunoulasud reunanne vind (a concogene homolog) (EGFR) mRNA	NT	4885198	2.00E-74	<b>=</b>	11872	6703	1577
	EST_HUMAN	AI950528.1	2.00E-74	1.2	11518	6354	1224
Human endogenous retrovirus HERV-K-14/D	37	AF020092.1	2.00E-74	1.0	11448		1158
Homo sapiens glyceraldehyde-3-phosphate denydrogenase (GAPU), mRNA	NT	7669491 NT	2.00≣-74	126.2	11247	6089	942
Homo sapiens glyceraldehyde-3-phosphate dehydrogenase (GAPD), mRNA	NT	7669491 NT	2.00∈-74	126.2	11246	П	942
zr78b10.r1 Soares_NhHMPu_S1 Homo sapiens cDNA done iMAGE:669499 5' similar to gb:x04106_cds1 CALCIUM-DEPENDENT PROTEASE, SMALL (HUMAN);	EST_HUMAN	AA234789.1		4.8	13097		3703
2/76b10.r1 Soares_NhHMPu_S1 Homo sapiens CUNA done invade: occase o similar in gb:X04106_cds1 CALCIUM-DEPENDENT PROTEASE, SMALL (HUMAN);	EST_HUMAN	AA234789.1	3.00E-74	4.8	13096	8000	3703

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Homo saplens eukaryotic translation elongation factor 1 beta 2 (EEF 182) mkNA	SNT	4503476 NT	3.00E-76	10	Ţ	1	1594
Human mRNA for HMG-1, complete cas	NT	D63874.1	5.00E-76	1.3		7	1899
Human mRNA for HMG-1, complete cus	N,	D63874.1	5.00E-76	1.3	12206	7	1899
Human mRNA for HMG-1, complete cus	N	D63874.1	5.00E-76	1.3	12205		1899
601312019F1 NIH MGC 44 HOMO SAPIBIIS COLVA GOING MANOCLASSOCIOS	EST_HUMAN	BE396253.1	6.00E-76	6.7		6344	1214
mRNA	N <sub>1</sub>	4507184	7.00E-76	4.3	14484	9400	4275
mRNA	TNT	4507184 NT	7.00E-76	4.3	14483	9400	4275
related (CBFA2T1) mRNA  related (CBFA2T1) mRNA  (SPR)	NT	4757915 NT	7.00E-76	==	13549	8439	3293
Homo sapiens sore-hinding factor unit domain, alpha subunit 2; translocated to, 1; cyclin D-	Z	450505Z N I	7.00E-76	7.1	13514	8407	3260
Homo sapiens camir-specific priospilouissuriase on it become in the products	Z	AF056490.1	7.00E-76	2.6	13507	8401	3254
mRNA partial cds	Z	5016092 NT	7.00E-76	1.4	11059	5911	759
complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex) (DLD)							
Homo saplens mediator (Surz), mknA	NT	7706724 NT	8.00E-76	1.1	13135		2880
Homo sapiens H tactor 1 (complement) (nr 1) mixtor	NT	4504374 NT	8.00E-76	0.6	11228	╗	923
Homo sapiens H factor 1 (complement) (HF1) mkNA	NT	4504374 NT	8.00E-76	0.6	11227	$\neg$	923
2185b07.\$1 Soares_letal_liver_spreen_livrLs_or mains separate control series.	EST_HUMAN	AA702415.1	9.00≅-76	1.2		7466	2364
HSCZVC061 normalized infant brain cDNA Homo sapiens cDNA clone IMAG	EST HUMAN	245834.1	1 1	0.9	10530	5407	214
TR:075235 075235 TRAP1 ;	EST_HUMAN	Al652648.1	9.00⊑-76	1.5	10358	5248	38
TR:075235 075235 TRAP1 : TR:075235 TRAP1	EST_HUMAN	AI652648.1	9.00E-76	1.5	10357	5248	38
H.sapiens ERCC2 gene, exons 1 & 2 (parual)	NT	X52221.1	1.00E-75	3.2	13176	8067	2916
	EST_HUMAN	AW168135.1	1.00E-75	1.8	12569	7361	2255
Homo sapiens KiAAUS/1 protein (NIAAUS/1), in the	NT	7662421 NT	3.00E-75	1.0	14547	9459	4336
Homo sapiens DNA for amyloid precursor protein, complete cus	NT	D87675:1	1	1.4	14291	9204	4077
Human calclum-dependent phospholipid-binding protein (FCA2) mixtex, complete ass	ZT	M72393.1	3.00E-75	1.0	13563	8451	3306
Human calcium-dependent phospholipid-binding protein (PLAZ) mkNA, complete cas	NT			1.0	13562	8451	3306
Homo sapiens mRNA for KIAA0581 protein, partial cos	NT	AB011153.1		1.3	13409	8301	3152
	TI			1.2	13243	8140	2988
zk53c07.s1 Scares_pregnant_uterus_NbHPU Homó sapiens cDNA cione IMAGE:486540 3' similar to gb:X65857_cds1 OLFACTORY RECEPTOR-LIKE PROTEIN HGMP07E (HUMAN);	EST_HUMAN	AA042813.1	3.00E-75	1.0	12708	7501	2402
Homo sapiens synaptosomal-associated protein, 28kD (SIVAL 29/1111/11/12)	NT	4759153 NT	3.00E-75	1.3	12676	7475	2373
Homo sapiens synaptojanin 1 (SYNJ1), mixiva	NT	4507334 NT	3.00E-75	1.1	12384	7177	2065
FIGURE Sapietts III MACIES (COVALIA) - DNA	IN	AB011153.1	3.005-75	0.7	12101	010	1795

1.0 3.00E-76 4503476 NT 1.2 2.00E-76 D84295.1 NT 1.3 2.00E-76 D84295.1 NT 1.3 2.00E-76 D84295.1 NT 0.7 2.00E-76 4503944 NT 1.1 2.00E-76 4503944 NT 1.0 2.00E-76 4504028 NT 0.6 2.00E-76 4504028 NT 0.6 2.00E-76 4504028 NT 0.6 2.00E-76 AA253954.1 EST_HUMAN 0.5 2.00E-76 AA253954.1 EST_HUMAN 0.5 2.00E-76 D84295.1 NT 0.9 2.00E-76 D83974.1 NT 0.9 2.00E-76 D83974.1 NT 0.9 7.00E-77 AA625755.1 EST_HUMAN 0.9 7.00E-77 AA625755.1 EST_HUMAN 0.8 7.00E-77 AA625755.1 EST_HUMAN 0.8 7.00E-77 AA625755.1 EST_HUMAN 0.8 7.00E-77 AA625755.1 EST_HUMAN 0.8 7.00E-77 AA625755.1 EST_HUMAN 0.8 7.00E-77 AA625755.1 EST_HUMAN 0.8 7.00E-77 AA625755.1 EST_HUMAN 0.8 7.00E-77 AA625755.1 EST_HUMAN 0.9 6.00E-77 AA625	NT Homo sapiens SET domain and mariner transposase fusion gene (SETMAR) mRNA	,	3.00E-77	1.1	П	$\Box$	<u></u>
6707 11878 1.0 3.00E-76 D84295.1 NT 5487 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10645 1.3 2.00E-76 D84295.1 NT 5520 10645 1.3 2.00E-76 D84295.1 NT 5520 10652 1.1 2.00E-76 D84295.1 NT 5735 10652 1.1 2.00E-76 455762 NT 5735 10652 1.1 2.00E-76 4550944 NT 5645 11814 0.6 2.00E-76 4504028 NT 7604 12190 0.5 2.00E-76 A245992.1 EST_HUMAN 7602 13068 2.8 2.00E-76 A245992.1 EST_HUMAN 7602 13068 2.8 2.00E-76 D84295.1 NT 7604 13511 2.0 2.00E-76 D84295.1 NT 7607 10597 0.9 2.00E-76 D84295.1 NT 9744 14006 4.5 2.00E-76 D84295.1 NT 9749 15059 6.3 2.00E-76 D84295.1 EST_HUMAN 10166 15242 1.3 2.00E-76 D8374.1 NT 9326 14413 2.2 1.00E-77 D8374.1 NT 9326 14414 2.2 1.00E-77 D8374.1 NT 9326 14414 2.2 1.00E-77 D8374.1 NT 9326 14414 2.2 1.00E-77 D8374.1 NT 9326 14414 2.2 1.00E-77 D8374.1 NT 9326 14414 2.2 1.00E-77 D8374.1 NT 9326 14414 2.2 1.00E-77 A625755.1 EST_HUMAN 8262 11869 0.8 7.00E-77 A450594 NT 9462 12669 0.8 7.00E-77 A450594 NT 9462 12669 0.8 7.00E-77 A450594 NT 9463 11619 17.6 6.00E-77 AV957753.1 EST_HUMAN 8265 11633 1.2 5.00E-77 AF041015.1 NT 9719 14813 2.0 5.00E-77 A5031660 NT 9719 14813 2.0 5.00E-77 A4503960 NT			3.00E-7	1.1		,	1828
6707 11878 1.0 3.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10645 1.3 2.00E-76 D84295.1 NT 5520 10645 1.3 2.00E-76 D84295.1 NT 5520 10645 1.3 2.00E-76 D84295.1 NT 5521 10852 1.1 2.00E-76 4557662 NT 5523 10852 1.1 2.00E-76 45503944 NT 5524 11813 0.6 2.00E-76 4504028 NT 6845 11814 0.6 2.00E-76 4504028 NT 6845 11814 0.6 2.00E-76 A253954.1 EST_HUMAN 7004 12190 0.5 2.00E-76 A245992.1 EST_HUMAN 7004 12190 0.5 2.00E-76 A245992.1 EST_HUMAN 7004 12190 0.5 2.00E-76 D84295.1 NT 7004 12190 0.5 2.00E-76 D84295.1 NT 7007 10597 0.9 2.00E-76 D84295.1 NT 9714 14908 6.4 5 2.00E-76 D84295.1 NT 9326 14414 2.2 1.00E-76 D63874.1 NT 9326 14414 2.2 1.00E-76 D63874.1 NT 9326 14414 2.2 1.00E-77 D8370405.1 EST_HUMAN 7005 12191 1.2 7.00E-77 A8625755.1 EST_HUMAN 8404 13505 0.8 7.00E-77 A8625755.1 EST_HUMAN 7005 12191 1.2 7.00E-77 A8625755.1 EST_HUMAN 8404 13505 0.8 7.00E-77 A8625755.1 EST_HUMAN 7005 12191 1.2 7.00E-77 A8625755.1 EST_HUMAN 8404 13505 0.8 7.00E-77 A8625755.1 EST_HUMAN 8404 13505 0.8 5.00E-77 A8957753.1 EST_HUMAN 8404 13512 2.0 5.00E-77 A859500 NT 8405 11819 17.6 6.00E-77 A8957753.1 EST_HUMAN 8406 11633 1.2 5.00E-77 AF041015.1 NT 9719 14813 2.0 5.00E-77 A643953.1 EST_HUMAN 8406 11633 1.2 5.00E-77 AF041015.1 NT 9719 14813 2.0 5.00E-77 A643953.1 EST_HUMAN 8406 11631 2.0 5.00E-77 A643953.1 EST_HUMAN 8406 11631 2.0 5.00E-77 A659500 NT 9719 14813 2.0 5.00E-77 A643953.1 EST_HUMAN 9719 14813 2.0 5.00E-77 A643953.1 EST_HUMAN 9719 14813 2.0 5.00E-77 A643953.1 EST_HUMAN 9719 14813 2.0 5.00E-77 A643953.1 EST_HUMAN			4.00E-7	0.7			1859
6707         11878         1.0         3.00E-76         D84295.1         NT           5467         10597         1.2         2.00E-76         D84295.1         NT           5520         10644         1.3         2.00E-76         D84295.1         NT           5573         10852         1.1         2.00E-76         4537662         NT           5735         10852         1.1         2.00E-76         450428         NT           6445         11313         0.6         2.00E-76         4504028         NT           6457         11813         0.6         2.00E-76         4504028         NT           6845         11814         0.6         2.00E-76         A245992.1         EST_HUMAN           7962         13068         2.8         2.00E-76         A2445992.1         EST_HUMAN           8404         13511         2.0         2.00E-76         A2445992.1         EST_HUMAN           8404         13512         2.0         2.00E-76         A2445992.1         EST_HUMAN           9714         14069         4.5         2.00E-76         A2445992.1         EST_HUMAN           10168         1252         1.3         2.00E-76         A245995.	HUMAN		5.00E-7	2.1			4853
6707 11878 1.0 3.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10645 1.3 2.00E-76 D84295.1 NT 5519 0.7 2.00E-76 D84295.1 NT 5519 0.7 2.00E-76 459394 NT 5645 11813 0.6 2.00E-76 459394 NT 6645 11814 0.6 2.00E-76 459395 NT 76645 11814 0.6 2.00E-76 459395 NT 76645 11814 0.6 2.00E-76 459395 NT 76645 11814 0.6 2.00E-76 A253954.1 EST_HUMAN 7962 13068 2.8 2.00E-76 A245992.1 EST_HUMAN 8404 13511 2.0 2.00E-76 D84295.1 NT 9714 14906 4.5 2.00E-76 D84295.1 NT 9714 14906 4.5 2.00E-76 D84295.1 NT 9714 14906 4.5 2.00E-76 A25954.1 NT 9714 14906 4.5 2.00E-76 D84295.1 NT 9326 14414 2.2 1.00E-76 D8374.1 NT 9326 14414 2.2 1.00E-77 D8374.1 NT 9326 14414 2.2 1.00E-77 D8374.1 NT 9326 14414 2.2 1.00E-77 D8374.1 NT 9326 14414 0.9 7.00E-77 A825755.1 EST_HUMAN 7065 12191 1.2 7.00E-77 A825755.1 EST_HUMAN 6366 10675 0.8 7.00E-77 A825755.1 EST_HUMAN 6367 11819 17.6 6.00E-77 AF041015.1 NT 7820 13024 1.0 5.00E-77 A503160 NT 7820 13024 1.0 5.00E-77 A503160 NT 7820 13024 1.0 5.00E-77 A503160 NT 7820 13024 1.0 5.00E-77 A503160 NT 7820 13024 1.0 5.00E-77 A503160 NT			5.00E-7	2.0	$\prod$		4605
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10645 1.3 2.00E-76 D84295.1 NT 5519 0.7 2.00E-76 4503944 NT 5735 10852 1.1 2.00E-76 4503944 NT 6154 11310 1.0 2.00E-76 4503943 NT 6845 11813 0.6 2.00E-76 4504028 NT 6845 11814 0.6 2.00E-76 4504028 NT 7004 12190 0.5 2.00E-76 4504028 NT 7962 13068 2.8 2.00E-76 AA45992.1 EST_HUMAN 7962 13068 2.0 2.00E-76 AA445992.1 EST_HUMAN 7962 13068 2.0 2.00E-76 D84295.1 NT 8404 13511 2.0 2.00E-76 D84295.1 NT 9374 14080 4.5 2.00E-76 D84295.1 NT 9374 14080 4.5 2.00E-76 D84374.1 NT 9326 14413 2.2 1.00E-76 D83374.1 NT 9326 14413 2.2 1.00E-77 D83374.1 NT 9326 14413 2.2 1.00E-77 D83374.1 NT 9326 14413 2.2 1.00E-77 D83374.1 NT 9326 14413 2.2 1.00E-77 D83374.1 NT 9326 14414 2.2 7.00E-77 AW370405.1 EST_HUMAN 7005 12191 1.2 7.00E-77 A625755.1 EST_HUMAN 7042 12668 0.8 7.00E-77 A450400 NT 9462 12668 0.8 7.00E-77 A450400 NT 9463 11633 1.2 5.00E-77 AF041015.1 NT 95449 10575 1.5 6.00E-77 AF041015.1 NT 95465 11633 1.2 5.00E-77 A503160 NT			5.00€-7	2.0	,	П	4605
6707         11878         1.0         3.00E-76         4503476 NT         NT           5467         10597         1.2         2.00E-76         D84295.1         NT           5520         10644         1.3         2.00E-76         D84295.1         NT           5619         0.7         2.00E-76         D84295.1         NT           5735         10852         1.1         2.00E-76         4503444 NT           6645         11310         1.0         2.00E-76         450323 NT           6645         11813         0.6         2.00E-76         4504028 NT           7064         12190         0.5         2.00E-76         4504028 NT           7064         12191         2.0         2.00E-76         4504028 NT           8404         13512         2.0         2.00E-76         A2445992.1         EST_HUMAN           8404         13512         2.0         2.00E-76         A2445992.1         EST_HUMAN           5467         10597         0.9         2.00E-76         D84295.1         NT           974         14806         4.5         2.00E-76         D84295.1         NT           975         15059         6.3         2.00E-76 <td></td> <td></td> <td>5.00E-7</td> <td>1.0</td> <td></td> <td></td> <td>2736</td>			5.00E-7	1.0			2736
6707         11878         1.0         3.00E-76         4503476 NT         NT           5487         10597         1.2         2.00E-76         D84295.1         NT           5520         10644         1.3         2.00E-76         D84295.1         NT           5619         0.7         2.00E-76         4557662         NT           5735         10852         1.1         2.00E-76         4503944         NT           6845         11813         0.6         2.00E-76         4504028         NT           7004         12190         0.5         2.00E-76         A253954.1         EST_HUMAN           7962         13088         2.8         2.00E-76         A2453992.1         EST_HUMAN           8404         13511         2.0         2.00E-76         A245992.1         EST_HUMAN           8404         13512         2.0         2.00E-76         D84295.1         NT           9714         14806         4.5         2.00E-76         D84295.1         NT           9974         15059         0.9         2.00E-76         D84295.1         NT           9974         15059         0.3         2.00E-76         D83874.1         NT			5.00€-7	1.2			1337
6707 11878 1.0 3.00E-76 4503476 NT 5487 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10645 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 4503944 NT 5614 11310 1.0 2.00E-76 4504028 NT 6645 11813 0.6 2.00E-76 4504028 NT 6645 11814 0.6 2.00E-76 A253954.1 EST_HUMAN 7962 13068 2.8 2.00E-76 A253954.1 EST_HUMAN 7962 13068 2.8 2.00E-76 A2445992.1 EST_HUMAN 8404 13512 2.0 2.00E-76 D84295.1 NT 9714 14806 4.5 2.00E-76 D84295.1 NT 9974 15059 6.3 2.00E-76 D84295.1 NT 9974 15059 6.3 2.00E-76 D8374.1 NT 9974 15059 6.3 2.00E-76 D83874.1 NT 9974 15059 1.2 1.00E-76 D83874.1 NT 9974 15059 1.2 1.00E-76 D83874.1 NT 9974 15059 0.9 7.00E-77 D83874.1 NT 9974 15059 0.9 7		_	5.00E-7	0.6		Π	1216
6707         11878         1.0         3.00E-76         4503476 NT           5467         10597         1.2         2.00E-76         D84295.1         NT           5520         10644         1.3         2.00E-76         D84295.1         NT           55720         10645         1.3         2.00E-76         D84295.1         NT           5735         10852         1.1         2.00E-76         4503944 NT           5735         10852         1.1         2.00E-76         4503944 NT           5735         10852         1.1         2.00E-76         4504028 NT           6845         11813         0.6         2.00E-76         4504028 NT           7004         12190         0.5         2.00E-76         4504028 NT           7962         13068         2.8         2.00E-76         42253954.1         EST_HUMAN           7962         13068         2.8         2.00E-76         P23266         SWISSPROT           8404         13511         2.0         2.00E-76         A4445992.1         EST_HUMAN           9714         14096         4.5         2.00E-76         A445992.1         EST_HUMAN           9159         6.3         2.00E-76	HUMAN		6.00E-7	17.6	-	6651	1524
6707         11878         1.0         3.00E-76         4503476         NT           5487         10597         1.2         2.00E-76         D84295.1         NT           5520         10644         1.3         2.00E-76         D84295.1         NT           5520         10645         1.3         2.00E-76         D84295.1         NT           5731         10852         1.1         2.00E-76         D84295.1         NT           5734         11813         0.6         2.00E-76         4503944         NT           6845         11813         0.6         2.00E-76         4504028         NT           7004         12190         0.5         2.00E-76         A2253954.1         EST_HUMAN           7962         13068         2.8         2.00E-76         P23266         SWIISSPROT           8404         13512         2.0         2.00E-76         P23266         SWIISSPROT           9714         14806         4.5         2.00E-76         DA445992.1         EST_HUMAN           9974         15059         6.3         2.00E-76         DA829518.1         EST_HUMAN           19326         14413         2.2         1.00E-76         D63874.1 </td <td>HUMAN</td> <td></td> <td>6.00E-7</td> <td>0.9</td> <td></td> <td></td> <td>1125</td>	HUMAN		6.00E-7	0.9			1125
6707         11878         1.0         3.00E-76         4503476         NT           5487         10597         1.2         2.00E-76         D84295.1         NT           5520         10644         1.3         2.00E-76         D84295.1         NT           5520         10645         1.3         2.00E-76         D84295.1         NT           5619         0.7         2.00E-76         D84295.1         NT           5735         10852         1.1         2.00E-76         4503944         NT           6845         11813         0.6         2.00E-76         4504028         NT           6845         11814         0.6         2.00E-76         4504028         NT           7904         12190         0.5         2.00E-76         A2453954.1         EST_HUMAN           7982         13068         2.8         2.00E-76         P23266         SWISSPROT           8404         13511         2.0         2.00E-76         A4445992.1         EST_HUMAN           974         14806         4.5         2.00E-76         D84295.1         NT           974         15059         6.3         2.00E-76         AV879618.1         EST_HUMAN			6.00E-7	1.5	,		262
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10645 1.3 2.00E-76 D84295.1 NT 5521 10852 1.1 2.00E-76 A557662 NT 5735 10852 1.1 2.00E-76 4503944 NT 6845 11813 0.6 2.00E-76 4504028 NT 6845 11813 0.6 2.00E-76 4504028 NT 7904 12190 0.5 2.00E-76 AA253954.1 EST_HUMAN 7952 13068 2.8 2.00E-76 P23266 SWISSPROT 7962 13068 2.00E-76 D84295.1 NT 5467 10597 0.9 2.00E-76 D84295.1 NT 9714 14806 4.5 2.00E-76 AA445992.1 EST_HUMAN 10166 15242 1.3 2.00E-76 AW879618.1 EST_HUMAN 10166 15242 1.3 2.00E-76 D63874.1 NT 9326 14414 2.2 1.00E-76 D63874.1 NT 9326 14414 2.2 1.00E-76 D63874.1 NT 9326 14414 2.2 1.00E-77 AA625755.1 EST_HUMAN 7462 12668 0.8 7.00E-77 AA625755.1 EST_HUMAN			7.00E-7	0.8			2360
6707 11878 1.0 3.00E-76 450476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10645 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 4503944 NT 6154 11310 1.0 2.00E-76 4504028 NT 6845 11814 0.6 2.00E-76 4504028 NT 7004 12190 0.5 2.00E-76 AA253954.1 EST_HUMAN 7962 13068 2.8 2.00E-76 AA45992.1 EST_HUMAN 8404 13511 2.0 2.00E-76 D84295.1 NT 9714 14806 4.5 2.00E-76 D84295.1 NT 9714 14806 4.5 2.00E-76 AA45992.1 EST_HUMAN 10166 15242 1.3 2.00E-76 D83874.1 NT 9326 14413 2.2 1.00E-76 D63874.1 NT 9326 14414 2.2 1.00E-76 D63874.1 NT 5869 11007 0.9 7.00E-77 AA625755.1 EST_HUMAN 7005 12191 1.2 7.00E-77 AA625755.1 EST_HUMAN			7.00E-7	0.8			2360
6707 11878 1.0 3.00E-76 450476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10645 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 4503944 NT 6154 11310 1.0 2.00E-76 4504028 NT 6845 11814 0.6 2.00E-76 4504028 NT 7062 13068 2.8 2.00E-76 AA253954.1 EST_HUMAN 7962 13068 2.8 2.00E-76 D84295.1 NT 8404 13511 2.0 2.00E-76 D84295.1 NT 5467 10597 0.9 2.00E-76 D84295.1 NT 9714 14806 4.5 2.00E-76 D84295.1 NT 9974 15059 6.3 2.00E-76 AA45992.1 EST_HUMAN 10166 15242 1.3 2.00E-76 D63874.1 NT 9326 14413 2.2 1.00E-76 D63874.1 NT 9326 14414 2.2 1.00E-76 D63874.1 NT 5869 11007 0.9 7.00E-77 AW370405.1 EST_HUMAN	HUMAN	_	7.00E-7	1.2		7005	1887
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10845 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 4504028 NT 5735 10852 1.1 2.00E-76 4504028 NT 6645 11813 0.6 2.00E-76 4504028 NT 6645 11814 0.6 2.00E-76 4504028 NT 7004 12190 0.5 2.00E-76 A253954.1 EST_HUMAN 7962 13068 2.8 2.00E-76 P23266 SWISSPROT 5467 10597 0.9 2.00E-76 D84295.1 NT 9714 14806 4.5 2.00E-76 D84295.1 NT 9714 14806 4.5 2.00E-76 D84295.1 NT 9974 15059 6.3 2.00E-76 AA445992.1 EST_HUMAN 10166 15242 1.3 2.00E-76 D83874.1 NT 9326 14413 2.2 1.00E-76 D63874.1 NT	HUMAN		7.00E-7	0.9		5869	715
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5620 10845 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 457662 NT 5735 10852 1.1 2.00E-76 4504028 NT 6645 11813 0.6 2.00E-76 4504028 NT 6645 11814 0.6 2.00E-76 4504028 NT 7004 12190 0.5 2.00E-76 4504028 NT 77962 13068 2.8 2.00E-76 A253954.1 EST_HUMAN 7962 13068 2.8 2.00E-76 P23266 SWISSPROT 5467 10597 0.9 2.00E-76 AA445992.1 EST_HUMAN 9774 14806 4.5 2.00E-76 D84295.1 NT 9714 14806 4.5 2.00E-76 D84295.1 EST_HUMAN 10166 15242 1.3 2.00E-76 AW879618.1 EST_HUMAN 10166 15242 1.3 2.00E-76 D63874.1 NT 9326 14413 2.2 1.00E-76 D63874.1 NT			1.00E-7	2.2			4200
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5620 10845 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 4504028 NT 5735 10852 1.1 2.00E-76 4504028 NT 6645 11813 0.6 2.00E-76 4504028 NT 6645 11814 0.6 2.00E-76 4504028 NT 7004 12190 0.5 2.00E-76 4504028 NT 7962 13068 2.8 2.00E-76 A253954.1 EST_HUMAN 7962 13068 2.8 2.00E-76 P23266 SWISSPROT 5467 10597 0.9 2.00E-76 AA445992.1 EST_HUMAN 9774 14806 4.5 2.00E-76 AA445992.1 EST_HUMAN 9974 15059 6.3 2.00E-76 AV879618.1 EST_HUMAN 10166 15242 1.3 2.00E-76 AW879618.1 EST_HUMAN		ш	1.00E-7	2.2		_	4200
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5630 10645 1.3 2.00E-76 D84295.1 NT 5735 10852 1.1 2.00E-76 4504028 NT 6645 11813 0.6 2.00E-76 4504028 NT 6645 11814 0.6 2.00E-76 4504028 NT 7004 12190 0.5 2.00E-76 4504028 NT 7962 13068 2.8 2.00E-76 P23266 SWISSPROT 7962 13068 2.8 2.00E-76 P23266 8404 13511 2.0 2.00E-76 AA445992.1 EST_HUMAN 8404 13512 2.0 2.00E-76 D84295.1 NT 9714 14806 4.5 2.00E-76 D84295.1 NT 9714 14806 4.5 2.00E-76 AA445981 NT 9714 15059 6.3 2.00E-76 AW879618.1 EST_HUMAN			2.00E-7	1.3		_	5068
6707 11878 1.0 3.00E-76 4503476 NT  5467 10597 1.2 2.00E-76 D84295.1 NT  5520 10644 1.3 2.00E-76 D84295.1 NT  5520 10645 1.3 2.00E-76 D84295.1 NT  5619 0.7 2.00E-76 4503944 NT  5735 10852 1.1 2.00E-76 4503944 NT  6845 11813 0.6 2.00E-76 4504028 NT  6845 11813 0.6 2.00E-76 4504028 NT  7004 12190 0.5 2.00E-76 AA253954.1 EST_HUMAN  7962 13068 2.8 2.00E-76 P23266 SWISSPROT  8404 13511 2.0 2.00E-76 D84295.1 NT  8404 13512 2.0 2.00E-76 D84295.1 NT  5467 10597 0.9 2.00E-76 D84295.1 NT  9714 14908 4.5 2.00E-76 A758981 NT	THUMAN	AW87961	2.00E-7	6.3	٦	T	4867
6707 11878 1.0 3.00E-76 4503476 NT  5467 10597 1.2 2.00E-76 D84295.1 NT  5520 10644 1.3 2.00E-76 D84295.1 NT  5520 10645 1.3 2.00E-76 D84295.1 NT  5619 0.7 2.00E-76 4503944 NT  5735 10852 1.1 2.00E-76 4503944 NT  6154 11310 1.0 2.00E-76 4504028 NT  6845 11813 0.6 2.00E-76 4504028 NT  7004 12190 0.5 2.00E-76 4504028 NT  7002 13068 2.8 2.00E-76 AA253954.1 EST_HUMAN  7862 13068 2.8 2.00E-76 P23266 SWISSPROT  8404 13511 2.0 2.00E-76 AA445992.1 EST_HUMAN  8404 13512 2.0 2.00E-76 D84295.1 NT			2.00E-7	4.5	T	7	4600
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5620 10845 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 457662 NT 5735 10852 1.1 2.00E-76 4503944 NT 6845 11813 0.6 2.00E-76 4504028 NT 6845 11813 0.6 2.00E-76 4504028 NT 7004 12190 0.5 2.00E-76 4504028 NT 7962 13068 2.8 2.00E-76 AA253954.1 EST_HUMAN 7962 13068 2.8 2.00E-76 AA45992.1 EST_HUMAN 8404 13511 2.0 2.00E-76 AA445992.1 EST_HUMAN		_	2.00E-7	0.9	٦	5467	4043
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5620 10845 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 457662 NT 5735 10852 1.1 2.00E-76 4503944 NT 6845 11810 1.0 2.00E-76 4758053 NT 6845 11813 0.6 2.00E-76 4504028 NT 7004 12190 0.5 2.00E-76 A5253954.1 EST_HUMAN 7962 13068 2.8 2.00E-76 P23266 SWISSPROT 8404 13511 2.0 2.00E-76 AA445992.1 EST_HUMAN	HUMAN		2.00€-7	2.0	13512	8404	3257
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10845 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 4557662 NT 5735 10852 1.1 2.00E-76 4503944 NT 6845 11813 0.6 2.00E-76 4758053 NT 6845 11814 0.6 2.00E-76 4504028 NT 7004 12190 0.5 2.00E-76 A2253954.1 EST_HUMAN 7962 13068 2.8 2.00E-76 P23266 SWISSPROT			2.00Ε-7	2.0		2 2	3257
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10645 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 4557662 NT 5735 10852 1.1 2.00E-76 4503944 NT 6845 11813 0.6 2.00E-76 4504028 NT 6845 11814 0.6 2.00E-76 4504028 NT 7004 12190 0.5 2.00E-76 AA253954.1 EST_HUMAN		_	2.00E-7	2.8	T	7962	2811
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10845 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 4557662 NT 5735 10852 1.1 2.00E-76 4503944 NT 6845 11813 0.6 2.00E-76 4504028 NT 6845 11814 0.6 2.00E-76 4504028 NT			2.00E-7	0.5		$\neg$	1886
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10845 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 4557662 NT 5735 10852 1.1 2.00E-76 4503944 NT 6154 11310 1.0 2.00E-76 4758053 NT 6645 11813 0.6 2.00E-76 4504028 NT			2.00E-7	. 0.6		7	1518
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5620 10845 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 4557662 NT 5735 10852 1.1 2.00E-76 4503944 NT 6154 11310 1.0 2.00E-76 4758053 NT			2.00E-7	0.6		6645	1518
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10845 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 4557662 NT 5735 10852 1.1 2.00E-76 4503944 NT			2.00E-7	1.0			1014
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10645 1.3 2.00E-76 D84295.1 NT 5619 0.7 2.00E-76 4557662 NT			2.00E-7	1.1		П	575
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT 5520 10645 1.3 2.00E-76 D84295.1 NT	7		2.00E-7	0.7			453
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1 NT 5520 10644 1.3 2.00E-76 D84295.1 NT		]	2.00E-7	1.3			339
6707 11878 1.0 3.00E-76 4503476 NT 5467 10597 1.2 2.00E-76 D84295.1  NT			2.00E-7	1.3			339
6707 11878 1.0 3.00E-76 4503476 NT		D84295.1	2.00€-7	1.2		$\neg$	280
			3.00E-7	10:	7	6707	1581

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ba54h03.y3 NIH_MGC_10 Homo sapiens cDNA clone IMAGE:2900405 5' similar to	ECT LIMAN	* revezsiviv		ħ	200		25.45	
CMYA5 Human cardiac muscle expression library Homo sapiens cDNA clone 4151935 similar to CMYA5 Cardiomyopathy associated gene 5	EST_HUMAN	AW755254.1	1.00E-77	2.9	15342	10271	5179	
Homo saplens breast cancer 1, early onset (BRCA1), transcript variant BRCA1-exon4, mRNA	N	6552322	1.00E-77	2.0	14761	9671	4552	
Homo sapiens 959 kb conlig between AML1 and CBR1 on chromosome 21q22; segment 1/3	NT	AJ229041.1	1.00E-77	14.7	14635	9543	4423	
Homo sapiens CGI-60 protein (LOC51626), mRNA	NT	7706299	1.00E-77	3.0	14462	9381	4256	
Homo sapiens 2,4-dienoyl CoA reductase 1, mitochondrial (DECR1), mRNA	NT	4503300 NT	1.00E-77	2.8	13259	8159	3007	
Homo sapiens mRNA for KIAA1101 protein, complete cds	NT	AB029024.1	_	1.2	12700	7494	2394	
Homo sapiens amyloid beta (A4) precursor protein (protease nexin-il, Alzheimer disease) (APP), mRNA	NT	4502166 NT	1.00E-77	1.7	11168	7901	857	
Homo sapiens amyloid beta (A4) precursor protein (protease nexin-li, Alzheimer disease) (APP), mRNA	NT	4502166 NT	1.00E-77	1.7	11167	7901	. 857	
Homo saplens amyloid beta (A4) precursor protein (protease nexin-li, Alzheimer disease) (APP), mRNA	NT	4502166 NT	1.00E-77	0.6	10587	5459	271	
Homo saplens amyloid beta (A4) precursor protein (protease nexin-II, Alzhelmer disease) (APP), mRNA	NT	4502166 NT	1.00E-77	0.6	10586	5459	271	
Homo saplens mRNA for KIAA1276 protein, partial cds	NT	AB033102.1	1.00E-77	1.0	10354	5246	37	
Homo sapiens mRNA for KIAA1276 protein, partial cds	NT	AB033102.1	1.00E-77	1.0	10353	5246	37	
repetitive element;	EST_HUMAN	AA653025.1	2.00E-77	3.6	14866	9771	4659	
ns66g12.s1 NCI_CGAP_Pr2 Homo saplens cDNA clone IMAGE:1188838 similar to . SW:RL29_HUMAN P47914 60S RIBOSOMAL PROTEIN L29. [1] ;contains element MSR1								
Homo sapiens giutamic-oxaloacetic transaminase 2, mitochondriai (aspartate aminotransferase 2) (GOT2), nuclear gene encoding mitochondriai protein, mRNA	NT	4504068 NT	2.00E-77	3.5		9612	4492	
w22g02.x1 NCI_CGAP_Bm52 Homo saplens cDNA clone IMAGE:2260466 3' similar to TR:065245 065245 F21E10.7 PROTEIN.;	EST_HUMAN	Al613519.1	2.00E-77	0.9	14528	9438	4315	
w22g02.x1 NCI_CGAP_Bm52 Homo sapiens cDNA clone IMAGE:2260466 3' similar to TR:065245 065245 F21E10.7 PROTEIN. ;	EST_HUMAN	Al613519.1	2.00E-77	0.9	14527	9438	4315	
ho43b05.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:3040113 3' similar to SW:GAG2_HUMAN P10264 RETROVIRUS-RELATED GAG POLYPROTEIN;	EST_HUMAN	BE044316.1	2.00E-77	1.3	14161	9080	3947	
	NT	AF016191.1	2.00E-77	0.9	13561	8450	3305	
Rattus norvegicus potassium channel (erg3) mRNA, complete cds	NT	AF016191.1	2.00€-77	0.9	13560	8450	3305	
Homo sapiens mRNA for KIAA1415 protein, partial cds	NI	AB037836.1	2.00E-77	0.7	12845	7946	2549	_
Homo sapiens mRNA for KIAA1415 protein, partial cds	NT	AB037836.1	2.00E-77	0.7	12844	7946	2549	
Homo saplens CGI-79 protein (LOC51634), mRNA	NT	7706315	2.00E-77	1.0	12374	7168	2056	
Homo sapiens CYP17 gene, 5' end	NT .	L41825.1	2.00E-77	0.8	12362	7157	2044	
	EST_HUMAN	AW997712.1	$\rightarrow$	0.6	11717	6542	1414	
pb:K00558 TUBULIN ALPHA-1 CHAIN (HUMAN);	EST HUMAN	Al963236.1	3.00€-77	6.9	13473	8362	3214	
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THE CONTRACT OF LOS CONTRACTOR CO	174	2.00E-18   FW21 1400.1	2.005-78	1.0	12463	7256	2146	_
Home sapiens prospriousistiate on, commercially log, alpha (1000), illustrations and the same an		4585863	2.00E-79	5.1	12421	7212	2101	
Homo sapiens prospinociesterase on, commispecing rou, alpha (DDERA) mRNA	N	4585863	2.00E-79	5.1	12420	7212	2101	
IN18h07.X1 NCL CGAP P728 Homo sapiens CUNA Cicrie IMAGE.Z.1 19903 3	EST HUMAN	AI523747.1	_	1.4		6159	1019	
Homo sapiens BCL2-like 2 (BCL2L2) mRNA	1	4757841 NT		1.1	11217	6058	912	
601159415F2 NIH MGC 53 Homo sapiens curva done invage 3011107 o	EST_HUMAN	BE379926.1	2.00€-79	1.1	10899	5777	618	7
Homo sapiens PRO1181 mRNA, complete cds		AF116627.1		5.0		9927	4818	1
601192921F1 NIH_MGC_7 Homo sapiens cuna cone iMAGE:3535/40 5	EST HUMAN	BE265169.1	3.00E-79	2,8	13957	8864	3727	П
Human zinc finger protein ZNF131 mRNA, partial cds	1	U09410.1		1.4	13310	8211	3060	П
Homo sapiens cell-line tsA201a chloride ion current inducer protein I(Cin) gene, complete cds	NT	AF232708.1	3.00E-79	0.9	11265	6107	962	
Homo sapiens intersectin short isotorm (ITSN) mkNA, complete cas	3	AF114488.1	3.00E-79	1.4	10623	5494	310	
Homo sapiens hypothetical protein FLJ10283 (FLJ10283), mKNA	NT	8922325	4.00E-79	1.1		8288	3139	7
and complete cds	Ŋ	AF083655.1	8.00⊑-79	1.7	15008	.9915	4805	
and complete cits	NT	AF083655.1	8.00E-79	1.7	15007	9915	4805	
Human mRNA for KIAA0045 gene, complete cos	3	D28476.1	8.00E-79	0.9	14602	9513	4391	
Human mRNA for KIAA0045 gene, complete cas	ZT	D28476.1	8.00E-79	0.9	14601	9513	4391	
Homo sapiens chromosome 21 segment HSZ1CU10	NT	AL163210.2	_	1.2	13914	8821	3682	7
RC2-BN0074-090300-014-c12 BN0074 Homo sapiens CUNA	EST_HUMAN	BE000837.1	9.00E-79	2.5	14963	9869	4758	7
TR:E239140 E239140 SPALT PROTEIN;	EST HUMAN	AA601246.1	9.00E-79	1.8	12163	6978	1860	
EST182583 Jurkat T-cells VI Homo sapiens CUNA 3' end	EST HUMAN	AA311872.1	2.00E-78	1.7		9066	3932	
Homo sapiens type IV collagen alpha 5 chain (CCL4A5) gene, exon 20	S	U04489.1	2.00E-78	2.2		8234	3083	T
Homo sapiens synaptojanin 1 (SYNJ1), mRNA	NT	4507334 NT	3.00E-78	0.9	13971	8882	4015	П
Homo sapiens nuclear antigen Sp100 (SP100) mRNA	NT	4507164 NT	3.00E-78	0.9	13440	8327		Т
	NT	AF095901.1	3.00⊑-78	0.6	10477	5351		Т
Homo sapiens eRF1 gene, complete cds	NT	AF095901.1	3.00E-78	0.6	10476	5351	155	Т
Homo sapiens phosphatidylinositol 4-kinase, catalytic, alpha polypeptide (PIK4CA) mRNA	NT	4505806 NT	4.00E-78	1.3	14873	9776	4664	
Homo sapiens phosphatidylinositol 4-kinase, catalytic, alpha polypeptide (PIK4CA) mRNA	NT	4505806 NT	4,00E-78	1.3	14872	9776	4664	
Homo saplens syncytin (LOC30816), mRNA	NT	7656876	4.00E-78	1.4	14431	9351	4227	
Homo sapiens pre-mRNA splicing factor (SFRS3) mRNA, complete cds	NT	AF107405.1	4.00E-78	8.0	12585	7376	2270	Т
w67b12.x1 NCI_CGAP_Kid11 Homo sapiens CDNA done IMAGE:2495015 3 similar to SW:WAP_PIG_046655 WHEY ACIDIC PROTEIN PRECURSOR;	EST_HUMAN	AI985094.1	4.00E-78	0.6	11925	6755	1629	
Novel human gene mapping to chomosome 22	NT	4.00E-78 AL355841.1	4.00E-78	0.6	11797	6628	1502	Т
Homo saplens mRNA for KIAA0350 protein, partial cds	NT	5.00E-78 AB002348.2	5.00E-78	1.4	14819	9724	4610	Т
Human collagenase type IV (CLG4) gene, exon 6	NT	M55586.1	5.00E-78 M55586.1	3.8	13598	8483	3339	7

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200	3515	1911	782	337	2009	1816	1757	1308	1308	210	4872	3953	3953	2764	2380	2311	1440	1172	817	817	573	4188	4188	1624	882	3551	3107	3107	204	4590	4074	3838	2265
9480	8656	7028	5934	5518	7123	6935	6878	7912	7912	5403	9979	9086	9086	7848	7482	7414	6567	6306	5967	5967	5733	9314	9314	6750	6030	8691	8257	8257	5397		9201		7371
14571	13763		11083		12323	12125	12059	11605	11604		15063	14169	14168	13050	12684	12623			11125	11124	10851	14398	14397	11918	11189		13361	13360	10525	14797	14287	14074	12581
1.0	1.0	1.1	1.1	0.6	2.4	0.7	2.3	1.8	1.8	1.6	1.7	1.1	1.1	1.1	1.4	0.9	0.8	4.8	1.3	1.3	<b>:</b> :	1.1	1.1	0.7	0.8	1.0	3.8	3.8	1.5	1.0	1.2	0.9	0.6
1.00E-80	1.00E-80	1.00E-80	1.00E-80	1.00E-80	2.00E-80	2.00E-80	2.00E-80	2.00E-80	2.00E-80	3.00€-80	5.00E-80	5.00E-80	5.00E-80	5.00E-80	5.00E-80	5.00E-80	5.00E-80	5.00E-80	5.00E-80	5.00E-80	5.00E-80	6.00€-80	6.00€-80	6.00E-80	6.00E-80	8.00E-80	9.00E-80	9.00E-8	1.00∈-79	2.00E-79	2.00⊑-79	2.00E-79	2.00E-79
AF077188.1	8922391	AI732656.1	AF231920.1	) AL163303.2	AL043116.2	AI444821.1	R35321.1		) AA215796.1		) AL163268.2	5.00E-80 AB019038.1	AB019038.1	) 4504292 NT	) AB037855:1	) U89358.1	) AL163283.2	5.00E-80 X91647.1	_	) AF108830.1	4506228 NT	6.00E-80 AB032981.1	) AB032981.1		AI422197.1	) U94387.1	) AA725848.1	9.00E-80 AA725848.1	9 BE252804.1		9 AJ271408.1		9 AF244138.1
NT	1 NT	EST_HUMAN	TN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	TN	NT	TN	2 NT	NT	NT	INT	NT	NT	NT	8 NT	T.	NT	TN	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	Z	Z T
	Homo saplens hypothetical protein FLJ10379 (FLJ10379), mRNA	nn01f12.x5 NCI_CGAP_Co9 Homo sapiens cDNA done IMAGE:1076495 3' similar to contains OFR.t1 OFR repetitive element;	Homo sapiens chromosome 21 unknown mRNA	Homo saplens chromosome 21 segment HS21C103	DKFZp434D1323_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434D1323 5'		yg65a08.r1 Soares infant brain 1NiB Homo sapiens cDNA clone IMAGE:38060 5'		zr98d04.r1 NCI_CGAP_GCB1 Homo saplens cDNA clone IMAGE:683719 5'	Homo sapiens chromosome 21 segment HS21C010	Homo saplens chromosome 21 segment HS21C068	Homo sapiens HMT-1 mRNA for beta-1,4 mannosyltransferase, complete cds	Homo saplens HMT-1 mRNA for beta-1,4 mannosyltransferase, complete cds		Homo saplens mRNA for KIAA1434 protein, partial cds	Human I(3)mbt protein homolog mRNA, complete cds	Homo sapiens chromosome 21 segment HS21C083	H.saplens ncx1 gene (exon 12)	Homo sapiens serine-threonine protein kinase (MNBH) mRNA, complete cds	Homo sapiens serine-threonine protein kinase (MNBH) mRNA, complete cds	Homo sapiens proteasome (prosome, macropain) 26S subunit, non-ATPase, 3 (PSMD3) mRNA	Homo sapiens mRNA for KIAA1155 protein, partial cds	Homo saplens mRNA for KIAA1155 protein, partial cds	Homo sapiens NRD convertase mRNA, complete cds	tf58d02.x1 NCI_CGAP_Bm23 Homo sapiens cDNA clone IMAGE:2103459 3' similar to SW:NUEM_HUMAN Q16795 NADH-UBIQUINONE OXIDOREDUCTASE 39 KD SUBUNIT PRECURSOR;	Homo sapiens Y chromosome spermatogenesis candidate protein (RBM) pseudogene mRNA, partial cds	al23e05.s1 Soares_testis_NHT Homo sapiens cDNA clone 1343648 3'	ai23e05.s1 Soares_testis_NHT Homo saplens cDNA clone 1343648 3'	601112853F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3353581 5'	Homo saplens chromosome 21 segment HS21C006	Homo saplens mRNA for Fas-associated factor, FAF1 (Faf1 gene)	Homo sapiens chloride channel CLC4 (ClC4) mRNA, complete cds	Homo sapiens hepatocellular cardnoma-associated antigen 88 (HCA88) mRNA, complete cds

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3	4638		1847	4034	4150	1636	141,	1475	869	797	263	5	12	4546	4414	3602	2144	1403	4579	3707	4933	2961	2961	2320	1246	1246	3576	3134	2058	2058	1779	2170	4290	4290	5192
2016	Т	Т	Т	7	_	6762	T	┪	╗	$\neg$	╗		П	7	9534	8741	7254		$\neg$		$\Box$	8112	8112	7423	6375	6375	8715	8283	7170	7170	696 0	7279	9414	9414	10283
14040	T	T		14245	14357	.11932	Т	٦	11177		10576	10321	10321	14754	14623	13836	12462	11701	14788	13936		13218	13217	12632	11533	11532	13812	13390	12378	12377	12088	12492	14504	14503	15351
	T	1		0.8	0.8	1.2	T		1.1	0.7	0.6	1.3	0.6	7.9	3.1	2.0	0.9	1.2		1.0	0.9	5.1	5.1	0.6	3.2	3.2	1.2	3.8	2.1	2.1	1.0	1.1	4.8	4.8	1.0
4.000	4.000.4	4 ME-80	4.00E-82	5.00E-82	8.00E-82	-8.00E-82		8.00€-82	8.00E-82	8.00E-82	8.00E-82	8.00E-82	8.00E-82	1.00E-81	1.00E-81	1.00E-81	1.00E-81	1.00E-81	2.00E-81	2.00€-81	3.00E-81	3.00E-81	3.00€-81	3.00E-81	3.00€-81	3.00E-81	4.00E-81	4.00E-81	4.00E-81	4.00€-81	4.00E-81	5.00E-81	6.00E-81	6.00⊑-81	1.00E-80
L	_		2 AF081484.1	2 AA515512.1				2 AB037748.1	2   U08988.1	_	2 U08988.1	2 AF161406.1	AF161406.1	BE047996.1	AA040370.1	AW960658.1		W26539.1	<u> </u>	AW6115	_		4506280 NT	AF077188.1		_	AW004608.1	AB037766.1	8923056 NT	8923056	AW779612.1	BE268042.1		BE256829.1	
		EST HUMAN	S	EST HUMAN	1	NT		Y	ZI	Š	Z	Z	Z	EST HUMAN		EST HUMAN	EST_HUMAN	EST HUMAN	3			NT	NT	2	2	Z	EST HUMAN	N.T	INT	NT	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	NT NT
	vm40e08.r1 Soares infant brain 1NIB Homo sapiens cDNA clone IMAGE:50499 5	vm40e08.r1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:50499 3	Homo sapiens alpha-tubulin isolom 1 mKNA, complete cus	Int69611.51 NCI CGAP CO3 FIDING Sapietis CUIVA CO16 INVACE: SECTION	Homo sapiens nypomencal protein reviews (1 threath),	transcript variant 2, mRNA		Homo sapiens mRNA for KIAA1327 protein, paruai cus		Human CRFB4 gene, paruai cos	Human CKFB4 gene, paruai cus	Homo sapiens Hor Czoo iliniwa, paruai cus	Homo sapiens HSPC286 mRNA, perual cus	E4504-Y1 NCI CGAY BITS HORD SEPTENCE CHAN CHIE INCOC. 223 1020 0	similar to PIR:S52437 S52437 CDP-diacyglycerol synthase - fruit fly;	ES 13/2/28 MAGE resequences, which i homo earliers CDNA done IMAGE:485825 5	za48f12.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:295623 3	33t3 Human round CONA ratioutily printed sources ) round supported services	Homo sapiens platelet-denved grown lacust recepturation to the lacust recepturation of	ng85cU1.X1 NCI CGAP NG11 FIGHTO September CONV. GARS INFOCESSION OF THE CONTROL O	Homo sapiens chromosome z i seginent 132 1000	1) (PTN) mRNA		riomo sapiens cuilli an (Cocan) illusta construito a naurita arowth-promoting factor	HOMO Sapiens INT 2 gene	Homo sapiens NFZ gene	ATIN. ;	Homo sapiens mixiva for Nixa for protein, parties we	Homo sapiens hypothetical protein relizione (relizione), illinity		hn98d02.x1 NCL CGAP_Co14 Homo sapiens cunk done invice: 3035507 3 similar was COPG_BOVIN P53620 COATOMER GAMMA SUBUNIT: SW:COPG_BOVIN P53620 COATOMER GAMAGE BOOMER STATE BOOM	601125505F1 NIH MGC & Homo sapiens curva cities invocation of climitar to	601111970F1 NIH MGC 16 Homo sapiens CUIVA COURT INVAGE: 2345480 5	601111970F1 NIH MGC 16 Homo sapiens cuna cione invade 3353840 5	Homo sapiens chromosome 21 segment HS21C078

<b>,</b>									_				_	4	4	_			_	· · · · · ·						_		
	2836	1656	1392	1265	1264	5013	5013	4768	4458	4458	4140	3772	3231	2176	1660	582	582	4836	3234	1961	1450	1333	1045	852	770	703	687	276
9971	7987	7869	6519		6393	10115	10115	9879	9578	9578	9266		8379	7285	6784	5742	5742	9944	8382	7077	6577	6462	6185	6001	5922	5858	5842	5464
15055		11954	11687	11553	11552	15186	15185	14973	14676	14675	14347	13998		12496	11960	10859	10858	15033		12276	11751	11630		11161	11071		10978	10593
8.7		0.7	0.7	0.8	0.7	1.7	1.7	3.2	1.0	1.0	1.1	1.1	1.8	1.1	0.6	0.7	0.7	0.9	2.1	. 0.9	0.7	5.5	4.7	1.1	1.5	1.0	8.0	4.7
7.00E-83	7.00E-83	8.00E-83	8.00E-83	1.00E-82	1.00E-82	2.00E-82	2.00€-82	2.00E-82	2.00E-82	2.00E-82	2.00€-82	2.00E-82	2.00∈-82	2.00E-82	2.00∈-82	2.00E-82	2.00E-82	3.00E-82	3.00E-82	3.00E-82	3.00E-82	3.00E-82	3.00E-82	3.00E-82	3.00E-82	3.00E-82	3.00E-82	3.00E-82
N27808.1	1	N66951.1	BE383973.1	AB011110.2	BE064386.1	4507580	4507580 NT	AF045555.1	AB029019.1	AB029019.1	_	D87675.1	6997248 NT	5453855	AL046390.1	AB023216.1	AB023216.1	AA135979.1	5453811 NT	4501922 NT	AL163285.2		AA725848.1	4502166	5174702 NT	4502506	BE005705.1	4502166
EST_HUMAN	n	EST_HUMAN	EST HUMAN	NT	EST HUMAN	ONT	O NT	NT	NT	3	8 NT	NT	BNT	5 NT	EST_HUMAN	Z,	N <sub>1</sub>	EST_HUMAN	1NT	2 NT	NT	EST_HUMAN	EST_HUMAN	6 NT	NT NT	6 NT	EST_HUMAN	6 NT
lyx54e09.r1 Soares melanocyte zNDHM Homo sapiens curva cione (MAGE:200076 0	no12h01.s1 NCI_CGAP_Phe1 Homo sapiens cDNA clone IMAGE:1100497 3' similar to contains Alu repetitive element;	za48f12.s1 Soares fetal (Iver spleen 1NFLS Homo saplens cDNA clone IMAGE:295823 3*	601273346F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3614362 5"	Homo sapiens mRNA for KIAA0538 protein, partial cds	RC4-BT0310-110300-015-f10 BT0310 Homo saplens cDNA	Homo sapiens tumor necrosis factor receptor superfamily, member 5 (TNFRSF5) mRNA	Homo sapiens tumor necrosis factor receptor superfamily, member 5 (TNFRSF5) mRNA	Homo sapiens wascr1 (WBSCR1) and wascr5 (WBSCR5) genes, complete cds, atternatively spliced and replication factor C subunit 2 (RFC2) gene, complete cds	Homo sapiens mRNA for KIAA1096 protein, partial cds	Homo sapiens mRNA for KIAA1096 protein, partial cds	Homo sapiens glutamate receptor, lonotropic, kainate 1 (GRIK1) mRNA	Homo sapiens DNA for amyloid precursor protein, complete cds	Homo sapiens sal (Drosophila)-like 1 (SALL1), mRNA	Homo sapiens pericentriolar material 1 (PCM1) mRNA	DKFZp434M117_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434M117 5	Homo sapiens mRNA for KIAA0999 protein, partial cds	Homo sapiens mRNA for KIAA0999 protein, partial cds	zn93b04.r1 Stratagene lung carcinoma 937218 Homo sapiens cDNA clone IMAGE:565711 5' similar to SW:PAGT_BOVIN Q07537 POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE;	Homo sapiens neurotrophic tyrosine kinase, receptor, type 2 (NTRK2) mRNA	Homo saplens adenylate cyclase activating polypeptide 1 (pitultary) receptor type I (ADCYAP1R1) mRNA	Homo sapiens chromosome 21 segment HS21C085	RC6-PT0001-190100-021-B02 PT0001 Homo saplens cDNA	ai23e05.s1 Soares testis NHT Homo sapiens cDNA clone 1343648 3	Homo sapiens amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease) (APP), mRNA	Homo saplens transforming growth factor beta-activated kinase-binding protein 1 (TAB1), mRNA		RC2-BN0120-010400-013-f02 BN0120 Homo sapiens cDNA	Homo sapiens amyloid beta (A4) precursor protein (protease nexin-li, Alzheimer disease) (APP), mRNA

	171	1.720077	1.005	. 2.2	14358	9277	}	
H saniens gene for mitochondrial dodecenoyi-CoA delta-isomerase, exon 3	Z Z		1.000	3.6	Γ		3793	
Rattus norveoicus brain specific cortactin-binding protein CBP90 mRNA, partial cos	T		1.001	0.0	Γ	Г	3146	
Homo sapiens cell recognition molecule Caspr2 (KIAA0868), mkNA	N,	7662349	100=83		Ţ	Т	1390	
Homo sapiens hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit (HADHB) mRNA	S.	4504326 NT	1.00E-83	Э Э	1 1 1 1 1 1 1 1			
Homo sapiens hydroxyacyl-Coenzyme A denydrogenase/3-keroacyl-Coenzyme A hydratase (trifunctional protein), beta subunit (HADHB) mRNA thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit (HADHB) mRNA	TN	4504326 NT	1.00E-83	6.0	11684	6517	1390	
TOILO Sabiella confunciam confunciamente.	2	4505492 N	1.00€-83	1.4	11561	6402	1273	_
Uses serious executation dehydrogenase (lipoamide) (OGDH) mRNA	2	4505492 NI	1.00E-83	1.4	11560	6402	1273	_
TOTTO sapists anythin topour someoness (lipoamide) (OGDH) mRNA	2	17/0638/NI	2.00E-83	8.1	14763	$\neg \neg$	4553	-
Homo sapiens annyim repeat-containing protein ASB-2 (LOC51676), mRNA	S	7706398 NT	2.00E-83	8.1	14762	9672	4553	÷
cds	NT	AF202879.1	2.00∈-83	4.5	14447	9366	4241	
Homo sapiens hematonoisilic procenitor cell antigen CD34 precursor (CD34) mRNA, partial	2	AL163202.2	2.00E-83	1.0		8846	3708	-1
2619240.phillie Nr. Ling C. From St. Programme 21 segment HS21C002	EST HUMAN		<u> </u>	1.1	12301	7098	1983	т
za48f12.s1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA done IMAGE:2819246 5	ъ.		<u> </u>	0.8	12186	7001	1883	
TR:Q92814 Q92614 MYELOBLAST KIAA0216. :	EST_HUMAN	AA993492.1	2.00E-83	0.7	12062	6880	1759	
TR: Q92614 Q92614 MYELOBLAST KIAA0216.; TR: Q92614 Q92614 MYELOBLAST KIAA0216.; CASA-05 s.1 Scarces feetls NHT Homo sapiens cDNA clone IMAGE: 1621592 3' similar to	EST_HUMAN	AA993492.1	2.00E-83	0.7	12061	6880	1759	
contains THR.12 THR repetitive element;  contains 1 Sozres testis NHT Home sapiens cDNA clone iMAGE:1621592 3' similar to	EST_HUMAN	AA632654.1	3.00E-83	0.7		7834	2750	1
EST79542 Placenta I Homo sapiens cDNA similar to similar to enougenous renoving Environmental Property of NCI CRAP Thy I Homo sapiens cDNA clone IMAGE:1133292 similar to	EST_HUMAN	AA368311.1	3.00E-83	1.5		6126	981	
enzyme E2D 3 (UBE2D3) genes, complete cds	N	AF224669.1	4.00E-83	1.5	10905	·· 5783	624	
Homo sapiens mannosidase heta A. Ivsosomal (MANBA) gene, and ubiquitin-conjugating	2	AF083827.1	5.00E-83	0.9	15271	10192		丁
Homo sapiens catalase (CAT) HINNEY	N	57013		11.0	15184	10113	_	T
Homo sapiens catalase (CAT) mena	NT	4557013	5.00E-83	11.0	15183	1013	5011	Т
Novel human gene mapping to chomosome A	NT	AL133207.2		0.9	13821	8725	358	Т
Homo saplens 26S proteasome regulatory subulity (SOSZ) IIII NAS, WILLESS WILLIAMS	NT	AF006305.1	_	0.8		7871	2002	Т
Human succinate denyorogenase iroit-proteir submit (SLIC2) mBNA complete ods	NT.	U17883.1	5.00E-83	1.4		8078	83	Т
3' Since the second section of the second se	EST_HUMAN	AA701457.1	6.00E-83	0.9	13283	8183	3031	
UV4-S10294-101189-037-103 S10207 S1018 S1 Homo sapiens cDNA clone IMAGE:435080	EST HUMAN	AW816405.1	6.00E-83 /	1.1	13241	8136	2984	
10 SW:YBEB_HAEIN P44471 HYPOTHETICAL PROTEIN HI0034.	EST HUMAN		6.00E-83	0.5	12047	6869	1747	
Human platelet Glycoprotein IID (GPIID) gene, excurs 2-29	NT	M33320.1	6.00E-83	1.3	10701	5565	397	$\neg$
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Homo saplens DKFZp434P211 protein (DKFZP434P211), mRNA	3	7657020 NT	9.00E-85	1.8	11949	6776	1651
	NT	M33282.1	_	=	11855	1	1560
Human plasminogen gene, exon 7	NT		9.00E-85	1.1	11854	6687	1560
Homo sapiens nuclear protein Skip mRNA, complete cds	NT	U51432.1		0.8	11349	8196	1057
Homo sapiens nuclear protein Skip mRNA, complete cds	NT	U51432.1	9.00€-85	0.8	11348	6196	1057
Homo sapiens chromosome 21 segment HS21C009	NT	AL163209.2	9.00E-85	1.2		6097	951
Homo sapiens 959 kb contig between AML1 and CBR1 on chromosome 21q22; segment 1/3	NT	AJ229041.1	1.00E-84	4.3	14530	8442	4823
DKFZp434N0323_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434N0323 5'	EST_HUMAN	AL043314.2	1.00E-84	3.8	14808	9715	4601
DKFZp434N0323_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434N0323 5'	EST_HUMAN	AL043314.2	1.00E-84	3.8	14807	9715	4601
Homo saplens 959 kb contig between AML1 and CBR1 on chromosome 21q22; segment 1/3	NT	AJ229041.1	1.00E-84	5.6	14530	9442	4319
nw12e06.s1 NCL CGAP_SS1 Homo sapiens cDNA clone IMAGE:1239106 3'	EST_HUMAN	AA720851.1	1.00E-84	2.1	13923	8830	3691
601308006F1 NIH_MGC_44 Homo sapiens cDNA done IMAGE:3626257 5'	EST_HUMAN	BE392137.1	1.00E-84	1.1	12322	7122	2008
am85b11.s1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:1629885 3'	EST_HUMAN	AA984379.1	1.00E-84	0.7	11558	6400	1271
Homo sapiens tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide (YWHAZ) mRNA	NT	4507952 NT	1.00E-84	1.8	10822	5700	537
Homo saplens intersectin short isoform (ITSN) mRNA, complete cds	NT	AF114488.1	1.00E-84	0.5	10622	5493	309
	TN	X89211.1	2.00E-84	0.9	13191	8083	2932
Homo sapiens myelin transcription factor 1-like (MYT1-I) mRNA, complete cds	NT	AF036943.1	2.00E-84	9.6	13172	8064	2913
Homo sapiene X-linked juvenile retinoschisis precursor protein (XLRS1) mRNA, complete cds	NT	AF014459.1	3.00E-84	4.1	13921	8827	3689
Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, complete cds)	NT	AB026898.1	3.00E-84	1.2	13783	8683	3542
Novel human mRNA containing Zinc finger C2H2 type domains	NT	AL096880.1	3.00E-84	1.1	12277	7078	1962
Homo sapiens pericentriolar material 1 (PCM1) mRNA	TN	5453855	3.00E-84	1.2	12222	7034	1917
	NT	4758081 NT		0.9	11423	6273	1137
Homo saplens Bach1 protein homolog mRNA, partial cds	TN	0.1	3.00E-84	1.4	10626	5497	313
Human 2,4-dlenoyi-CoA reductase gene, exons 3 and 4	NT			1.3	15233	10158	5060
Homo saplens myosin light chain kinase isoform 2 (MLCK) mRNA, complete cds	TN	2		1.8	15061	9976	4869
wa76c04.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2302086 3' similar to SW:NRDC_HUMAN 043847 NARDILYSIN PRECURSOR;	EST_HUMAN	Al685321.1	4.00E-84	-1.5	11683	6516	1389
Homo saplens mRNA for KIAA1314 protein, partial cds	NT	AB037735.1	4.00E-84	1.1	11648	6482	1354
Homo sapiens chromosome 3 subtelomeric region	NT			1.0		8132	2981
	NAWOH_TSE			1.1	10988	5852	697
ae86a03.s1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:971020 3'	EST_HUMAN	AA776574.1		1.7	12657	7450	2348
Homo sapiens amyloid beta (A4) precursor protein (protease nexin-li, Alzheimer disease) (APP), mRNA	N	4502166	1,00E-83	1,4	14993	9900	4789

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AF156776.1	AF156776.1	AW966142.1	1	N58977.1	AL163203.2	AA306264.1	8923209 NT	4505492 NT	AA860801.1	AA860801.1	7662247 NT	BE274217.1	BE277489.1	AL163284.2		7657468 NT	U10525.1	5174775	5174775 NT	AF24854	7657266	7363442	3.00E-85 BE267189.1	T97495.1	AF096157.1	5 F08331.1	F08331.1	5 AL163284.2	5 L05094.1	AL 16326		5 AL163280.2
NT.	NT	EST HUMAN		EST HUMAN	4	EST_HUMAN	9 NT	2 NT	EST_HUMAN	EST_HUMAN	7 NT	EST_HUMAN		TN	ONT	NT	3	SNT	5 NT	NT	16 NT	2 NT	EST_HUMAN	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	NT	NT	NT.	79 NT	NT
cds	Homo sapiens lysophosphalidic acid acyltransferase-della (LPAAT-della) mRNA, complete	EST378215 MAGE resequences, MAGI Homo sapiens cDNA	Homo saplens mRNA for KIAA1277 protein, partial cds	yz19a08.r1 Soares_multiple_scierosis_2NbHMSP Homo sapiens cDNA cione IMAGE:283478	Homo sapiens chromosome 21 segment HS21C003		Homo saplens hypothetical protein FLJ20220 (FLJ20220), mRNA	Homo sapiens oxogiutarate dehydrogenase (lipoamide) (OGDH) mRNA	aj88f08.s1 Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA clone IMAGE:1403559	aj88f08.s1 Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA clone IMAGE:1403559	Homo sapiens KIAA0680 gene product (KIAA0680), mRNA	601120778F1 NIH_MGC_20 Homo sapiens cDNA done IMAGE:2967690 5'	601179190F1 NIH_MGC_20 Homo sapiens cDNA done IMAGE:3546959 5'		Homo sapiens plasminogen (PLG) mRNA	Homo sapiens similar to rat integral membrane glycoprotein POM121 (POM121L1), mRNA	Human DNA polymerase beta gene, exons 12 and 13	Homo saplens apolipoprotein C-II (APOC2) mRNA	Homo saplens apolipoprotein C-II (APOC2) mRNA	Homo sapiens intersectin 2 (SH3D1B) mRNA, complete cds		Homo sapiens olfactory receptor, family 12, subfamily D, member 2 (OR12D2), mRNA	601189704F2 NIH_MGC_7 Homo saplens cDNA clone IMAGE:3533616 5'	ye53g09.r1 Soares fetal liver splaen 1NFLS Homo sapiens cDNA clone IMAGE:121504 5'	Homo saplens protein phosphatase 2A BR gamma subunit gene, exon 6	HSCZQH081 normalized Infant brain cDNA Homo sapiens cDNA clone c-zqh08	HSCZQH081 normalized Infant brain cDNA Homo sapiens cDNA clone c-zgh08	A 1	Homo sapiens ribosomal protein L27 mRNA, complete ods	Homo sapiens chromosome 21 segment HS21C068	Homo saplens heat shock transcription factor 2 binding protein (HSF2BP), mRNA	Homo sapiens chromosome 21 segment HS21C080

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	project=TCBA Homo sapiens CDNA done TCBA-P0383  TCBA-P0383 Bodinado and Bodi and to homohobiastic leukemia Baylor-HGSC	Tona programs Bearing and Bearing by the burnshold astic leukemia Baylor-HGSC	Homo college menta for KIAAAAAAA motelin partial cols	Homo conjene mBNA for KIAAAAAA motein partial cds	Homo earliens HSPC159 notein (HSPC159), mRNA		Homo sapiens selliediledilia promain silado (n. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Homo sapiens solute carrier latinly 4, and rescape, monoton (PRP4) mRNA	Homo sapiens solute camer ramily 4, anion exchanger, member 3 (SI C4A3) mRNA		DKFZp434E246_r1 434 (synonym: htes3) Homo saplens cDNA clone DKFZp434E246 5	Homo sapiens complement component o, beta polypeptide (cop) illing	Homo sapiens normonally upregulated rieu fullion-association military military in the contract of the polyments (Cap) mBNA	Homo sapiens normonally upregulated tieu ullifor-essociated kinase (Hi INK) mRNA	601142409F1 NIH MGC 14 Home sapiens cuina done invade 3000 100 0	Homo sapiens SMC (mouse) nomoiog, Y chromosome (concr) mixing	Homo sapiens dynein, axonemal, light polypeptide 4 (UNAL4), mkina	Homo saplens SNARE protein kinese SNAK mKNA, cumplete cus	Homo sapiens SNARE protein kinase SNAK mKNA, complete cus	mRNA	Homo sapiens a disintegrin and integring projects. FE hand transcription factor (CSEN).	Homo sapiens a disintegnn and metalloproteinase domain 23 (ADAM23) mRNA	za48f12.s1 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:295823 3'	Homo sapiens zinc inger protein 208 (Zivr 208) ili vivo	Homo sapiens Machado-Joseph disease (shirto-disease) (shi	Homo sapiens intersecuri snort isolonin (r i siv) interes, somebour satavia 3. plivonontocarabaliar	Homo sapiens intersectin short isoform (ITSN) mBNA complete ods	wideshue in the contains separate with the contains and the contains all repetitive element; contains element with the contains element and the co	Homo sapiens intersecun short isolottii (tron) thinken, with her was the similar to	Homo sapiens intersectin snort isoform (ITSN) mBNA complete cds	Homo sapiens intersectin short isolomi (11 Siv) interes, complete sets	K9719F Human fetal heart, Lambda ZAP Express Homo sapiens cDNA clone K9719 5' similar to ZINC FINGER PROTEIN HZF1

Homo sapiens DNA for amyloid predusor protein, complete was	2	D87675.1	4.00E-90	4.1	14767	9675	4557
H.sapiens gene encoding discoldin receptor tyrosine kinase, exon to	NT		4.00E-90	3.3			1663
Homo sapiens myosin phosphatase, target subunit 1 (MYP i 1), mknA	NT	4505316	4.00E-90	1.0	11361		1070
CM-BT092-030299-022 BT092 Homo sapiens cDNA	EST_HUMAN	AI905559.1	4.00E-90	0.6	10864		587
Homo saplens chromosome 21 unknown mRNA	NT	AF231920.1	4.00E-90	0.6	10616	7	299
Homo sapiens chromosome 21 unknown mRNA	NT	AF231920.1	4.00€-90	0.6	10615	5485	299
DKFZp762P1616_r1 762 (synonym: hmel2) Homo saplens cDNA clone DKFZp762P1616 5'	EST_HUMAN	AL135549.1	5.00E-90	1.0	14783	9689	4571
3'	EST HUMAN	AA705222.1	5.00E-90	=	14719	9626	4507
z 82g10.s1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:481442						╗	
_	EST HUMAN	AA705222.1	5.00E-90	1.1	14718	9626	4507
	3	4506354 NT	5.00E-90	3.1	14656	9580	4440
	NT	AF114487.1	5.00E-90	0.8	12805	7604	2508
Human gamma-aminobulyric acid transaminase mRNA, partial cds	NT		5.00E-90 U80226.1	0.5	11463		1175
	NT	AB035344.1	5.00E-90	3.6			149
Homo sapiens hypothetical protein FLJ10388 (FLJ10388), mRNA	NT	8922398 NT	6.00E-90	7.3	14342		4134
	N	8922398 NT	6.00E-90	7.3	14341	$\neg$	4134
	NT	X91926.1	6.00E-90	1.1	13282	7	3029
H.sapiens ECE-1 gene (exon 6)	NT	X91926.1	6.00E-90	<u>:</u>	13281	$\neg$	3029
cds, alternatively spliced	NT	AF223391.1	7.00E-90	0.9		5968	818
Homo saplens calcium channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial						П	
Homo saplens chromosome 21 segment HS21C046	NT	AL163246.2	8.00E-90	1.0	11338		1048
Homo sapiens chromosome 21 segment HS21C046	NT	2		0.6	11338	6187	1047
w640h06.x1 NCL_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2308187 3' similar to SW:BAC1_HUMAN 014867 TRANSCRIPTION REGULATOR PROTEIN BACH1:	EST_HUMAN	AI652927.1	1.00E-89	1.1	10681	5548	372
Homo sapiens GGT gene, exon 5	NT	AJ007378.1	2.00E-89	1.1	14608		4396
H.saplens HCK gene for tyrosine kinase (PTK), exons 10-11	NT	X58742.1	2.00E-89	6.2	14273	9188	4061
H.sapiens HCK gene for tyrosine kinase (PTK), exons 10-11	NT		2.00E-89	6.2	14272	$\neg$	4061
	NT	AF089897.1	2.00E-89	1.5	14263	$\neg$	4053
Alu repetitive element;	EST_HUMAN	AI222095.1	2.00E-89	2.0	13101	8003	2852
to gb:J04131 GAMMA-GLUTAMYLTRANSPEPTIDASE 1 PRECURSOR (HUMAN);contains							
Homo sapiens diacy/glycerol kinase, gamma (90kD) (DGKG) mRNA	NT	4503314 NT	2.00E-89	1.3	12087	6899	1778
Homo sapiens diacy/glycerol kinase, gamma (90kD) (DGKG) mRNA	NT.	4503314 NT	2.00E-89	1.3	12086		1778
Homo sapiens mRNA for KiAA1342 protein, partial cds	NT	AB037763.1	2.00E-89	0.8	10804	5683	519
Homo sapiens PXR2b protein (PXR2b), mRNA	NT	7706670 NT	2.00E-89	0.9	10708	5570	402
Homo sapiens PXR2b protein (PXR2b), mRNA	NT	7706670 NT	2.00E-89	0.9	10707	5570	402
Homo sapiens PXR2b protein (PXR2b), mRNA	TN	TN 0799077	2.00E-89	0.7	10708	5570	121
1	NT	6670		0.7	10707	5570	121
EST388290 MAGE resequences, MAGN Homo sapiens cDNA	EST_HUMAN	AW976181.1	3.00E-89	1.6	13095	7998	2847

Cds	3	A E 4 E 6 7 7 6 4					
Homo sapiens lysophosphatidic acid acyltransferase-delta (LPAA I-delta) (IIINNA, complete						T	
601113008F1 NIT MICC TO TOTAL SAPIRES CONTROLLED TO TOTAL CONTROLLED	EST HUMAN	BE259124.1	4.00E-91	2.5	11517	7	1223
Portion Sabients Cill Cillosoffie 22 open recently marrie C [MAGE:3356376 5]	4	7110634 NI	5.00E-91	0.8	14912		4703
nomo sapiene cilidificacina 22 open reading frame 5 (C220RE5) mRNA	2	7110634 NI	5.00E-91	0.8	14911	9815	4703
PMG-B (COSO-170200-00) Fedo B (COSO I MINO express Services Servic	EST HUMAN	BE074985.1	5.00E-91	6.0	13835	8740	3801
PNG-B (USBG-170200-001-800 B TOE83 Homo septens CDNA	an .	BE074985.1	5.00E-91	6.0	13834	8740	3601
		AA702794.1	<u> </u>	1.5	13683	8571	3429
zi90b04.s1 Soares_fetai_liver_spieen_INFLS_S1 Folilo sapielis Corx Corie impostation						ヿ	
	EST HUMAN	AW961150.1	6.00E-91	0.8	10475	7	551
Rattus norvegicus orain specinc cur acui i-uniquing protein con continuos, personale curativos, urativos curati	NT	AF053768.1	7.00E-91	0.9	11731	6555	1428
HUM000S381 Liver Hebus cell line. Homo septens curvo con a socio	EST_HUMAN	D12234.1	8.00E-91	5.5	14312	$\neg \tau$	4101
alternative exons 9 and complete cds, elternatively spliced	1	AF167340.1	1.00E-90	1.0	14537	9449	4326
Homo sapiens mixixa for Nixxogos process, pares our motein (II 1RAP) gene, exon 8.	NI	AB020710.1	1.00E-90	1.2	14006	8914	3777
Homo sapiens miking for kinggood protein partial rate	Z			1.2	14005	8914	3777
Homo sapiens chromosome o open reading reading a (Section 2),	NT	35720	_	8.4	13077	7974	2823
6U1159563FZ NITI MIGC 33 FIGURE Spring Spring 2 (CRORES) MRNA	EST HUMAN		1.00E-90	4.0			1644
Homo sapiens protein prospiratese 25 on gailling suprim gone, come 5			┺-	1.2	11577	6414	1284
Homo sapiens protein phosphatase ZA on gailling subtiti gene exon 3	NT.			1.2	11576	П	1284
	NT	07828	1.00E-90	0.8		_	1094
Homo sapiens ALK-like protein mixtxx, parver was	NT	AF264750.1	1.00E-90	2.6	11005	П	713
	NT	AF264750.1	1.00E-90	2.6	11004	5867	713
		AJ237589.1	1.00E-90	0.7	10968	5835	88
Homo sapiens mknA for 1-box danscription lacture (15020 2020) partial	3	AJ237589.1	1.00E-90	0.7	10967	5835	88
Homo sapiens chromosome 21 unknown mkNA				1.0	10680	7861	371
Homo sapiens chromosome 21 unknown mkNA	3	AF231920.1	1.00E-90	1.2	10680	7861	370
(APP), mRNA	NT.	4502166	1.00E-90	1.2	10592	5463	275
Homo sapiens Grozzalated adaptar protein (Grow / missasa naxin-ii. Alzheimer disease)		5729855 NI	2.00E-90	8.3	15020	9929	4820
Homo sapiens mRNA for RIAAUZ89 gene, paruai vus		AB006627.1	1_1	1.1	14796	9702	4588
INAGE:1713410 3' similar to Supplies MOUSE P23275 OLFACTORY RECEPTOR OR3.	EST_HUMAN	Al138213.1		2.8	13997	8088	3771
Homo saplens high-mobility group (nonhistone chromosomai) protein 17 (HMG17), mRNA	NT .	5031748	2.00∈-90	1.2	11446	6291	1156
Homo sapiens high-mobility group (nonhistone chromosomal) protein 17 (HMG17), mRNA		5031748 NT	2.00∈-90	1.2	11445	6291	1156
43c5 Human fetina CUNA randomly printed sublibitary From Septem Section 5	EST_HUMAN	W28189.1	3.00E-90	0.6		5872	718
Human prohomone converting enzyme (NEC4) yeller, excit o		M95967.1		1.9	14917	9825	4713
				6.0	1404	9000	4691

1601283012F1 NIH MGC 44 Homo sapiens cDNA clone IMAGE:3605016 5	LEST HUMAN	BE390882.1	5.00E-92	0.9		_	1560
Homo sapiens prospero-related homeobox 1 (PROX1) mRNA	NT	4506118 NT	7.00E-92	1,5		اد	5110
N-CAM=145 kda neural cell agnesion moiscule (numan, sinali cell tung cancel cell line Cozz	Ŋ	S71824.1	7.00E-92	1.6	14698	9604	4484
R, mRNA, 2960 ntl	NT	S71824.1	7.00E-92	1.6	14697	9604	4484
Homo sapiens T-cell lymphoma invasion and metastasis 1 (TAMT) illinois control line 002	3	4507500 NT	7.00E-92	0.9	13556	10296	3301
Homo sapiens T-cell lymphoma invasion and metastasis 1 (TAM1) mkNA	NT	4507500 NT	7.00E-92	0.9	13555	10296	3301
Homo sapiens DNA, MHC class i region, 7.1 ancestral napiotype	NT	AB031007.1	7.00E-92	1.0	13013	7808	2724
Homo sapiens NRAS-related gene (D1S155E), mRNA	NT	6005738 NT	7.00E-92	1.8	12977	7780	2693
Homo saplens cysteine-rich repeat-containing protein S52 precursor, mRNA, complete cds	NT	AF167706.1	7.00E-92	0:8	12815	7613	2517
Homo sapiens ARP2 (actin-related protein 2, yeast) nomolog (ACTRZ), ITIKNA	NT	5031570 NT	7.00E-92	0.6	12456		2139
Homo sapiens ARP2 (actin-related protein 2, yeast) nomolog (ACTR2), mixing	NT	5031570 NT	7.00E-92	0.6	12455		2139
Homo sapiens B-cell CLL/lymphoma 7b (BCL/B) mRNA	ZT	4502384 NT	7.00E-92	0.7	11549		1259
Homo sapiens cytopiasmic Seprase truncated isoform mRNA, complete cus	NT	AF007822.1	_	1.3		5736	576
Homo saplens mRNA for KIAA0758 protein, partial cds	NT	AB018301.1	_	9.0	10553	7884	236
Homo sapiens mRNA for KIAA0758 protein, partial cds	NT	AB018301.1		0.9	10552	7884	236
Human von Willebrand factor pseudogene corresponding to exons 23 through 34	NT	M60676.1		0.9	10390	5268	8
601280085F1 NIH_MGC_8 Homo saplens cDNA clone IMAGE:3520469 5	EST_HUMAN	BE396819.1	8.00∈-92	0.9	13026	7822	2738
601273513F1 NIH_MGC_20 Homo saplens cDNA clone IMAGE:3614667 5	EST HUMAN	BE386363.1		2.0	10600	5470	283
17	EST_HUMAN	W26367.1	8.00E-92	0.7	10419	5293	87
Homo sapiens NKG2D gene, exon 10	NT	AJ001689.1		2.9	11514	6352	1221
Homo sapiens NKG2D gene, exon 10	TN	AJ001689.1	_	2.9	11513	6352	1221
RC3-CT0347-220300-015-g12 CT0347 Homo sapiens cUNA	EST_HUMAN	AW858856.1	9.00E-92	8.0	10734	7888	435
	EST_HUMAN	AW858856.1		0.8	10733	7888	435
	EST_HUMAN	AW449746.1	1.00E-91	1.2	11519	6355	1225
Homo saplens chromosome 21 segment HSZ1CU64	NT	AL163284.2	1.00E-91	1.0	10365	5252	42
MR1-CT0056-241199-009-b07 CT0056 Homo sapiens CUNA	EST_HUMAN	AW845499.1	2.00Ε-91	0.9	12004	, 7924	1699
Homo saplens chromosome 21 segment HS21CU85	NT	AL163285.2		1.2	15093	10012	4905
Homo saplens chromosome 21 segment HS21CU85	NT	AL163285.2	3.00⊑-91	1.2	15082	10012	4905
Human Ku (p70/p80) subunit mRNA, complete cds	NT	M30938.1	3.00E-91	4.0	14700	9607	4487
Homo sapiens cyclin-D binding Myb-like protein mkwa, complete cas	NT	AF084530.1	3.00E-91	0.8	13950	8857	3720
	NT	AB033104.1	3.00E-91	3.0	13669	8558	3416
Homo saplens mRNA for KIAA 1278 protein, partial cos	NT	AB033104.1	3.00€-91	3.0	13668	8558	3416
Homo sapiens chromosome 21 segment HS21CU83	N,	AL163283.2	3.00€-91	1.8	13552	8443	3297
Homo saplens beta-ure/dopropionase (LOC51733), mKNA	NT	7706508	3.00E-91	1.0	12915	7714	2624
Homo sapiens beta-ureidopropionase (LOC51733), mRNA	NT	7706508	3.00⊑-91	1.0	12914	7714	2624
ods	NT	AF156776.1	4.00E-91	1 <u>.</u>	13428	8315	3166
The state of the s							

		П			П	П	П		П														П								$\neg$
755	755	437	437	82	3195	1459	1385	1385	1359	.3030	246	3563	2610	1996	2028	1807	1807	4922	4648	4191	3631	3562	3562	2623	2002	1894	1894	1686	732	732	23
5907	5907	5603	5603	5288	8344	6586	6512	6512	6487	8182	5434	8702	7700	7112	7141	6926	6926	10029	9760	9317	8770	8701	8701	7713	7117	7011	7011	6810	5886		5232
11055	11054	10737	10736		13457		11678	11677	11653		10560	13799			12342	12115	12114		14855	14401	13864	13798	13797	12913	12319	12200	12199		11030	11029	10335
1.3	1.3	0.6	0.6	1.6	2.4	1.0	2.0	2.0	1.3	2.4	2.1	1.0	0.5	3.3	13.0	1.1	1.1	2.5	0.8	1.0	5.0	1.0	1.0	14.0	1.7	0.6	0.6	1.0	1.4	1.4	0.5
4.00E-93	4.00E-83	4.00E-93	4.00E-93	4.00E-93	5.00E-93	5.00E-93	5.00E-93	5.00E-93	5.00E-93	7.00∈-93	7.00E-93	9.00E-93	9.00E-93	9.00E-93	1.00E-92	1.00E-92	1.00E-92	2.00E-92	2.00E-92	2.00E-92	2.00E-92	2.00€-92	2.00E-92	2.00E-92	2.00E-92	2.00E-92	2.00E-92	2.00E-92	2.00E-92	2.00E-92	2.00€-92
7657454 NT	7657454 NT	4557879 NT	4557879	AA459933.1	X04201.1	AL163201.2	AI674184.1	AI674184.1	AB014511.1	AL163247.2	AF231919.1	BE388571.1	AF223391.1	AA316723.1	4506668	R78078.1	R78078.1	AL040437.1	AF136523.1	M10976.1	5803180 NT	AF231919.1	AF231919.1	6912457	4508860 NT	AI818119.1	AI818119.1	2.00E-92 S78653.1	2.00E-92 BE299180.1	BE299190.1	4501898 NT
3	3	N	NT	EST_HU	NT	N	EST_HU	EST_HU	NT	N	N	EST_HU	N	EST H	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	TN	TI	NT	NT	NT	7 NT	ONT	EST_H	EST_HUMAN	NT		, 7)	8 NT
				HUMAN			HUMAN	HUMAN				HUMAN		HUMAN		MAN	JMAN	JMAN								HUMAN	JMAN		HUMAN	HUMAN	
Homo sapiens pescadillo (zebrafish) homolog 1, containing BRCT domain (PES1), mRNA	Homo saplens pescadillo (zebrafish) homolog 1, containing BRCT domain (PES1), mRNA	Homo sapiens interferon gamma receptor 1 (IFNGR1) mRNA	Homo saplens interferon gamma receptor 1 (IFNGR1) mRNA	zx50e09.s1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:795688 3' similar to SW:CLPA_RAT P37397 CALPONIN, ACIDIC ISOFORM;	Human skeletal muscle 1.3 kb mRNA for tropomyosin	Homo sapiens chromosome 21 segment HS21C001	wc09c08.x1 NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE:2314670 31	wc09c08.x1 NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE:2314670 3'	Homo sapiens mRNA for KIAA0611 protein, partial cds	Homo saplens chromosome 21 segment HS21C047	Homo sapiens chromosome 21 unknown mRNA	601281867F1 NIH_MGC_44 Homo saplens cDNA clone IMAGE:3603832 5'	Homo sapiens calcium channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial cds, alternatively spliced	EST188414 HCC cell line (matastasis to liver in mouse) II Homo sapiens cDNA 5' end similar to ribosomal protein L29	Homo saplens ribosomal protein, large, P1 (RPLP1) mRNA	y/80e08.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:145574 5'	yi80e08.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:145574.5'		Homo saptens bite sait export pump (BSEP) mRNA, complete cds	Human endogenous retroviral DNA (4-1), complete retroviral segment	Homo saplens stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein) (STIP1), mRNA	Homo sapiens chromosome 21 unknown mRNA	Homo sapiens chromosome 21 unknown mRNA	Homo saplens calcineurin binding protein 1 (KIAA0330), mRNA		wk27d07.x1 NCI_CGAP_Bm25 Homo sapiens cDNA done IMAGE:2413549 3' similar to TR:Q12844 Q12844 BREAKPOINT CLUSTER REGION PROTEIN ;	wk27d07.x1 NCI_CGAP_Bm25 Homo sapiens cDNA clone IMAGE:2413549 3' similar to TR:Q12844 Q12844 BREAKPOINT CLUSTER REGION PROTEIN;			601118337F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:3028304 5	Homo sapiens activin A receptor, type IIB (ACVR2B) mRNA

AE467706 1 NT
٤
7
4502506 NT
3
EST_HUMAN
4506008 NI
Z
2
Z
Z
EST HUMAN
EST FICKING
-
NI
NT
8823Z/0 NI
8923270 NI
2
EST HUMAN
765/016 NI
3
Z
EST_HUMAN
EST HUMAN
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Light adhers when a fine history (m. s.m. s.)		1 N 1 B / B 1 00 /	2.00E-85	2.6	15147	49711 10074	4975
Lors spring KIAA0187 gang product (KIAA0187) mRNA		181 CO1 /CO7	Z.00E-85	2.3	144/2	9389	4264
Wr.123G/# CEUSIUS.	LINAMO	AI290264.1	_	3 5	13922	T	3690
qm01c02.x1 Soares_NhHMPu_S1 Homo sapiens cUNA Clone IMAGE:1880546 3 similar to							
Homo sapiens mRNA for KIAA1386 protein, partial Cd9	N	AB037807.1	2.00E-95	1.0	13800	╗	3565
Homo sapiens unconventional myosin-15 (LOC51168), mkNA		7705900 NT	2.00E-95	2.8	13765	8658	3517
Homo sapiens unconventional myosin-15 (LUC51168), mkn/s		7705900 NT	2.00E-95	2.8	13764	8658	3517
Homo sapiens Usurpin-gamma mRNA, complete cds		AF015452.1	_	3.5	13374		3120
Homo sapiens H factor 1 (complement) (HF1) mRNA		4504374 NT	2.00E-95	0.9	11225	6068	2787
Homo sapiens glycine cleavage system protein H (aminometry) carrier) (GCSH) MIXINA	NT	4758423	2.00E-95	0.9	12767	7564	2466
Homo sapiens hypothetical protein (HS322B1A), mRNA		7657185 NT	2.00E-95	16.6	12723	7516	2417
Homo sapiens G protein-coupled receptor 19 (GPK19) mKNA	NT	5453665	2.00E-95	1.3	12680	7478	2376
Homo sapiens G protein-coupled receptor 19 (GPR19) mKNA	NT	5453665	2.00E-95	1.3	12679	7478	2376
601312161F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3658862 5	EST_HUMAN	BE393873.1	ш	1.2	12208	7018	1900
pseudoinflammatory) (TIMP3) mRNA		4507512 NT	2.00E-95	2.8	12204	7015	1897
		7662027 NT	2.00E-95	0.6	11920	6751	1625
		7662027 NT	2.00E-95	0.6	11919	6751	1625
Homo saplens H factor 1 (complement) (Hr1) mKNA		4504374 NT	2.00E-95	0.9	11226	6909	922
Human homeobox protein (PHOX1) mRNA, 3 end		M95929.1	7.00E-95	1.0	15155	10085	4982
Homo sapiens chromosome 21 segment HS21C046		AL163246.2	7.00E-95	1.4		9439	4316
Homo sapiens Ly-6-like protein (CD59) mRNA, complete cds	TN	M95708.1	-	5.9	14479	9395	4270
Homo sapiens DNA for amyloid precursor protein, complete cds	NT	D87675.1		3.2	10591	5462	274
Homo sapiens DNA for amyloid precursor protein, complete cds	NT	D87675.1		3.2	10590	5462	274
we08e04.x1 NCI_CGAP_Lu24 Homo sapiens cDNA cione IMAGE:2340000 3 Simuar to gb:K00558 TUBULIN ALPHA-1 CHAIN (HUMAN);	EST HUMAN	A1700998.1	8.00E-95	1.6	14652	9557	4436
gb:K00558 TUBULIN ALPHA-1 CHAIN (HUMAN):	EST HUMAN	A1700998.1	8.00E-95	1.6	14651	9557	4436
Homo sapiens KIAA0255 gene product (KIAAU255), mKNA	NT	7662027	9.00E-95	1.1	13372	8267	3118
	3	7662027	9.00E-95	1.1	13371	8267	3118
Homo sapiens TNF-alpha stimulated ABC protein (ABC50) mRNA, complete cas	NT	AF027302.1		0.6	11762	85 86	1461
601111696F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3332338 3	EST HUMAN	BE253433.1	1.00E-94	1.9	13302	82 <u>0</u> 1	3050
601111696F1 NIH MGC 16 Homo sapiens cDNA done IMAGE:3352559 5	EST_HUMAN	BE253433.1		1.9	13301	8201	3050
tf79f03.x1 NCI_CGAP_Bm23 Homo sapiens cDNA cone IMAGE::2105501 3 similar to	EST_HUMAN 1	AI394483.1	1.00E-94	1.5	10896	5774	616
t/79f03.x1 NCI_CGAP_Bm23 Homo sapiens cDNA cione imAlge:21uccor 3 similar w TR:008764 O08764 ANKYRIN.;	EST_HUMAN T	Al394483.1	1.00E-94	1.5	10895	5774	616
601175762F1 NIH_MGC_17 Homo sapiens cDNA done IMAGE:3531038 5		BE295714.1		0.8	10469	<b>5339</b>	143
zw63g08.rl Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA done IMAGE:774782.5'	EST HUMAN	AA464805.1	3.00E-94	0.8	14304	9221	4ó95
Homo saptens E1A binding protein p300 (EP300) mRNA		4557556 NT	3.00E-94	1.3	12036	6858	1735
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	Homo saplens mRNA for KIAA1172 protein, partial cds	NT	AB032998.1	3.00E-97	1.2	10558		22
	Homo sapiens brefeldin A-inhibited guanine nucleotide-exchange protein 2 (BIG2), mRNA	NT	5453572 NT	4.00E-97	1.1	12170	6986	1868
	CM0-BN0106-170300-293-a06 BN0106	EST_HUMAN	BE004436.1	_	1.3	11229		924
	Fells catus superfast myosin heavy chain (sMyHC) mRNA, complete cds	NT	U51472.2		0.7	12541		2219
	Human hepatocyte growth factor gene, exon 1	TI	M75967.1	1.00E-96	1.3	12502	7290	2181
	Human hepatocyte growth factor gene, exon 1	NT	M75967.1		1.3	12501	7290	2181
	Homo sapiens cysteine-rich repeat-containing protein S52 precursor, mRNA, complete cds	NT	AF167708.1	1.00E-96	0.9	12396	7192	2080
	Homo sapiens cysteine-rich repeat-containing protein \$52 precursor, mRNA, complete cds	N	AF167706.1	1.00E-96	0.9	12395	7192	2080
	Homo sapiens flavin containing monooxygenase 2 (FMO2) mRNA	NT	4503756	1.00E-96	0.9	12113	6925	1806
	Homo saplens flavin containing monooxygenase 2 (FMO2) mRNA	NT	4503756	1.00E-96	0.9	12112		. 1806
	EST367124 MAGE resequences, MAGC	EST_HUMAN	AW955054.1		0.7	12043		1742
		EST_HUMAN	AW955054.1		0.7	12042	6865	1742
	Human endogenous retrovirus type K (HERV-K), gag, pol and env genes	NT	Y18890.1	1.00E-96	0.6	10940		655
•		EST_HUMAN	2.00E-96 BE148074.1	2.00E-96	1.6	14858		4651
	Homo saplens chromosome 21 segment HS21C048	NT	AL163248.2	_	0.5	11026	5884	730
	Homo saplens chondroltin sulfate proteoglycan 4 (melanoma-associated) (CSPG4), mRNA	NT	4503098 NT	2.00E-96	1.2		5577	409
	yr87h12.r1 Soares fetal liver spieen 1NF	EST_HUMAN	H68656.1	3.00E-96	6.2		9223	4097
	H.sapiens DNA for monoamine oxidase type A (7) (partial)	NT	X60812.1	5.00E-96	1.2		9920	4810
	Homo sapiens transient receptor potential channel 5 (TRPC5), mRNA	NT	6912735	5.00E-96	1.0	13245	8143	2991
	Homo sapiens mRNA for KIAA1172 protein, partial cds	TN	AB032998.1		1.0	11132		824
	Homo sapiens mRNA for KIAA1172 protein, partial cds	NT	AB032998.1		1.0	1.1131	5973	824
	Homo saplens mRNA for KiAA1172 protein, partial cds	NT	AB032998.1		0.9	10628		317
	Human glyceraidehyde-3-phosphate dehydrogenase pseudogene 3'end	TN	M26873.1		26.2	13691		3437
	Homo sapiens chromosome 21 segmen		AL163201.2	6.00E-96	1.0	13529		3276
	V MR0-HT0559-250200-002-d07 HT0559 Homo saplens cDNA	EST_HUMAN	BE171984.1		0.9	12535	П	2213
	UI-HF-BL0-acm-d-11-0-UI.r1 NIH_MGC_37 Homo saplens cDNA clone IMAGE:3059397 5'	EST_HUMAN	AW404800.1	7.00E-96	2.0	14669	9570	4450
		EST_HUMAN	AW404800.1	7.00E-96	2.0	14668	9570	4450
	Homo sapiens chromosome 21 unknown mRNA	NT ·	AF231920.1	7.00E-96	1.0	14070	8971	3834
	Homo sapiens hypothetical protein (HS322B1A), mRNA	NT	7657185	8.00E-96	0.8	11998	6817	1693
	Homo sapiens hypothetical protein (HS322B1A), mRNA	Z	7657185	8.00E-96	0.8	11997		1693
		EST_HUMAN	AA447931.1	2.00E-95	1.0	15196	10123	5022
	2x11d07.r1 Soares_total_fetus_Nb2HF8_9w Homo saplens cDNA clone IMAGE:786157 5'	EST_HUMAN	AA447931.1	2.00E-95	1.0	15195	10123	5022

y/23/05,r1 Soares fetal liver spieen TNFLS round sapiens curvy durin invoce**3555 5 similar to PIR:S54204 S54204 ribosomal protein L29 - human ;	EST_HUMAN	N49818.1	1.00E-98	6.1	12058	6877	177	
	EST HUMAN	AW998611.1	1.00E-98	0.8	10744	5613	447	
W36504.x1 NCI_CGAP_Ut1 Home septens cUNA clone IMAGE::Z261743 3 Stimilar to SW:RL2B_HUMAN P29316 60S RIBOSOMAL PROTEIN L23A. :	EST_HUMAN	AI862007.1	1.00E-98	18.9	10704	5567	399	<u>·</u>
	NT.	4758975 NT	2.00E-98	1.1	15327	10257	5163	
mRNA	NT	9055289 NT	2.00E-98	6.4	15244	10167	5069	······
mRNA	NT	9055269 NT	2.00E-98	6.4	15243	10167	5069	
Homo sapiens attracting precursor (A I NN) getter, exert to	N	AF218902.1	2.00E-98	1.5	14923	9832	4720	-
Homo sapiens attractin precursor (A I RIV) gene, excit to	Z		2.00E-98	1.5	14922	9832	4720	
Homo sapiens fatty-acid-Coenzyme A ligase, long-chain 4 (FACL4) mknA	IN I	58331	2.00E-98	4.9	14448	9369	4244	
	3	7682405 NT	2.00E-98	0.7	12961	7761	2674	
Homo saplens chromosome 21 segment HSZ1C002	NT	AL163202.2	2.00E-98	0.5	12515	7300	2191	
601172658F1 NIH MGC_17 Homo sapiens cDNA done IMAGE:3528134 5	EST_HUMAN	BE294281.1		11.0	12348	7146	2033	
7B18H01 Chromosome 7 Fetal Brain cDNA Library Homo sapiens cDNA clone 7B18H01	8	AA077498.1	3.00E-98	0.8		7867	2720	-
Homo sapiens mRNA for KIAA0707 protein, partial cds	NT			0.7	12861	7656	2565	-
	NT	AL163201.2		0.9		10149	5049	<u>~</u>
Human mitochondrial creatine kinase (CKMT) gene, complete cos	NT .	J04469.1	8.00€-98	5.0	13956	8863	3726	-2
Homo sapiens PMS2L16 mRNA, partial cds	N	AB017007.1	8.00E-98	1.0	12001	6819	1695	,
Homo sapiens PMS2L16 mRNA, partial cds	NT ·	AB017007.1	8.00E-98	1.0	12000	6819	1695	<u>'</u>
Homo sapiens IL2-Inducible T-cell kinase (ITK), mRNA	Y	5031810	8.00€-98	1.0	11836	886 886	1540	
Homo sapiens IL2-Inducible T-cell kinase (ITK), mRNA	3	5031810 NT	8.00E-98	1.0	11835	6666	ź	_
Homo sapiens hPAD-colony10 mRNA for peptidylarginine delminase type I, complete cds	N	AB033768.1	8.00E-98	0.9	11644	6478	1350	
Homo sapiens Testis-specific XK-related protein on Y (XKRY) mkNA	3	4759329 NT	8.00E-98	0.5	10392	5270	ಣ	_
Homo sapiens Testis-specific XK-related protein on Y (XKRY) mRNA	NT .	4759329 NT	8.00E-98	0.5	10391	5270	62	-
Homo sapiens cat eye syndrome critical region gene 1 (CECR1), mRNA	NT	8393092 NT		1.3	1154	538 4983	1255	_
PM4-BT0724-010400-008-a12 BT0724 Homo saplens cDNA	EST_HUMAN	BE090973.1		2.7	11180	6031	883	т
Homo saplens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1) mRNA	Ŋ	4503470 NT	1.00E-97	12.6	14861	9782	4670	
	NT	5174478 NT	3.00E-97	1.1	13480	8371	3223	_
Human beta-prime-adaptin (BAM22) gene, exon 7	NT	U36255.1	3.00E-97	0.7	12693	7874	2389	7
Homo sapiens N-myc (and STAT) Interactor (NMI), mRNA	NT	4758813 NT	3.00E-97	0.6	11727	7916	1423	Т
Homo sapiens amyloid beta (A4) precursor protein (protease nexin-li, Alzheimer disease) (APP), mRNA	NT	4502166	3.00E-97	3.7	11166	6005	856	
Homo sapiens amyloid beta (A4) precursor protein (protease nexin-il, Atzheimer disease) (APP), mRNA	NT	4502166	3.00E-97	3.7	11165	6005	856	
zk53c07.s1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:486540 3' similar to gb:X65857_cds1 OLFACTORY RECEPTOR-LIKE PROTEIN HGMP07E (HUMAN);	EST_HUMAN	AA042813.1	3.00E-97	1.1	10805	5684	520	<del></del>

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A ROB	1002	1002	969	500	481	430	ي غ	314		183	2	ا اد	5200	4283	4283	3046	1885	1885	1537	1537	1401	312	4443	0220	3750	1219	375	5066	4463	1922	902	902	4 <u>5</u> 42	3814	1975	1975
1	6142	6142		5664	$\neg$	5597	1700	Т	Т	5357	Т	Т	٦_	_	Т	Г	Т	7003	6683	6663	6528	5496	9563	200	938	6350	555	2 2 2	9583 9583	7039	6049	6049	9756	8951	7090	7090
	2 11296	11295	11273	10787			10040	T	T	1	10015	T		14400	1.	Г	T					10625	14659	10110	13479		10684	15241	14680	12228	11204	11203	14850	14049	12292	12291
1.3	0.8	0.8	4.3	1.4	2.4	0.5	9.5	0.8	10	1.2	0 2	21-	į	13	2.1	0.8	2:1	=	0.5	0.5	0.8	0.5	3.2			1.2	1.0	2.5	1.4	0.9	0.9	0.9	1.2	1.9	0.9	0.9
1.00E-10	1.00E-100	1.00E-100	1.00E-100	1.00E-100	1.00E-100	1.00E-100		1 00E-100	1 00=-100	1.00E-100	100=100	1 00E-100	1.00=100	1 005-99	1.000	1.00	- 1.00E-88	88-300'L	1.001-88	1.00E-99	1.00E-99	1.00E-99	2.00E-99			2.00E-99	2.00E-99	5.00E-99	5.00E-99	5.00E-99 Y11365.1	5.00E-99 U35464.1	5.00E-99	6.00€-99			7.00E-99
1.00E-100 AW207555.1	1N C891997			BE18060	.00E-100 X89631.1	1.00E-100 AF003528.1		1 00E-100 T05087.1	00E-100 At 163249.2	1.00E-100 AL163206.2	1 DOE-100 AW275237.1	1.00E-100 AL 163247.2			AF098018.1		103171 1 NT		AF192323.1	_			AF095703.1		M30938.1	AW274792.1	AW385237.1	4758697	5.00E-99 AF009660.1	Y11365.1	U35464.1	U35464.1	4502660 NI	AW976364.1	9149	4759149 NT
EST_HUMAN	32	2		EST HUMAN		Z		EST HUMAN	NT		EST HUMAN	NT	NT	NT	ZI :	NT.	N I	NT	NT	1	2	2	N <sub>1</sub>		ZT	EST_HUMAN	EST HUMAN	Z	NT	NT	NT	Z	2	EST HUMAN	3	NT
UI-H-BI1-afk-c-07-0-UI.s1 NCI_CGAP_Sub3 Homo sapiens cDNA done IMAGE:2/2210# 3		Turns sanished DKEZP586M0122 protein (DKFZP586M0122), mRNA	Thomas capitals Types 8500 122 protein (DKFZP586M0122), mRNA	RCG-n 10020-0-000 - 022 - 000 110000	G-gorilla DINA to Living Botto Harristop Homo sapiens cDNA	flanking repeat regions	Homo sapiens X-linked anhidroitic ectodermal dysplasia protein gene (EUA), excit z artic	EST02975 Fetal brain, Stratagene (cat#936206) Homo sapiens curve Corre ni ponde	Homo sapiens chromosome 21 segment HS21C049	Homo sapiens chromosome 21 segment HS21C006	XV78b11.X1 NCI_CGAP_Bm53 Homo sapiens cDNA Gone IMAGE: 2024003 3	Homo sapiens chromosome 21 segment HS21C047	Homo saplens chromosome 21 segment HS21C047	Homo saplens chromosome 21 segment HS21C081	Homo sapiens fatty acid amide hydrolase (FAAH) gene, exon 14	Homo sapiens fatty acid amide hydrolase (FAAH) gene, exon 14	Human Interferon-alpha receptor (HulFN-alpha-Rec) mRNA, complete cds	Home saplens FK506-binding protein 6 (36kD) (FKBP6) mRNA, and translated products	Homo saplens FK508-binding protein 6 (36kD) (FKBP6) mRNA, and translated products	Homo septens truncated Niemann-Pick C3 protein (NPC3) mRNA, complete cds	Homo socions truncated Niemann-Pick C3 protein (NPC3) mRNA, complete cds	Human Kii (n70/n80) subunit mRNA, complete cds	nuclear gene encoding mitochonenal protein, complete cds	Homo sapiens short chain L-3-hydroxyacyi-CoA genyarogenase precursor (1707) 2007	Human Ku (p70/p80) subunit mKNA, complete Cas	Bb:M31212 MYOSIN LIGHT CHAIN ALKALI, NON-MUSCLE ISOFORM (HUMAN);	PMT-HIU454-301288-001-804 1110-454 181110-654 1MAGE:2738874 3' similar to	Homo sabiens mannosidase, alpita, views 27, inviting	Homo sapiens i ceil receptor bera icces, i Circo i Cir	H. sapiens IMPA gene, exon o	1-0/11111111111111111111111111111111111		Tipling sapieties (CC) allegati (CC) mRNA complete cds	ES   3884/3 MAGE resequences, MAGE reserved		Homo saplens SMC (mouse) homolog, Y chromosome (SMCY) mRNA

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Homo sapiens chromosome 21 segment HS21C103	N	1.00E-102 AL163303.2	1.00E-102	1.1	10643	5519	338
Homo sapiens butyrophilin, subfamily 2, member A1 (BTN2A1), mRNA	N	5921460 NT	1.00E-101	1.7	15142	10068	4965
Homo sapiens butyrophilin, subfamily 2, member A1 (BTN2A1), mRNA	INO	5921460 NT	1.00E-101	1.7	15141	10068	4965
	NT	AB022785.1		4.8	14031	8937	3800
Homo sapiens soluble neuropilin-1 mRNA, complete cds	NT	AF145712.1	1.00E-101	1.4	13986	8895	3757
Homo sapiens RiBliR gene (partial), exon 12	NT	AJ237744.1	1.00E-101	1.8	13001	7798	3354
	NT	1.00E-101 AJ237744.1	1.00E-101	1.8	13000	7798	3354
EST377629 MAGE resequences, MAGI Homo sapiens cDNA	EST_HUMAN	AW965556.1	1.00E-101	1.7	13591	8478	3334
Homo sapiens gamma-glutamyttransferase 1 (GGT1) mRNA	3	4885270	1.00E-101	2.5	13429	8316	3167
Homo sapiens genomic downstream Rhesus box	ST.	1.00E-101 AJ252312.1	1.00E-101	12.1		8076	2925
Homo sapiens RiBliR gene (partial), exon 12	T	AJ237744.1	1.00E-101	0.9	13001	7798	2714
-	NT	1.00E-101 AJ237744.1	1.00E-101	0.9	13000	7798	2714
Homo sapiens EWS, gar22, rrp22 and barr22 genes	NT	Y07848.1	1.00E-101 Y07848.1	1.6	12867	7665	2572
Homo sapiens A kinase (PRKA) ancher protein 6 (AKAP6), mRNA	2 NT	5729892	1.00E-101	0.6	12612	7940	2301
H.sapiens gene encoding La autoantigen	NT	X97869.1	1.00E-101 X97869.1	0.6	12324	7124	2010
Homo sapiens carboxypeptidase A1 (pancreatic) (CPA1) mRNA	6 NT	4502996 NT	1.00E-101	0.6	12209	7019	1901
-	3 NT	7662183 NT	1.00E-101	0.9	12016	6835	1712
Homo sapiens KIAA0569 gene product (KIAA0569), mRNA	3 NT	7662183 NT	1.00E-101	0.9	12015	6835	1712
qg99e09.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1843336 3	EST_HUMAN	AI221878.1	1.00E-101	0.6	11328	6176	1038
Homo sapiens of cardiac alpha-myosin heavy chain gene	NT	Z20656.1	1.00E-101	1.2	11211	6054	908
Homo sapiens phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminolmidazole synthetase (GART) mRNA	NT	4503914 NT	1.00E-101	1.3	11144	5984	835
Homo sapiens pescadillo (zebrafish) homolog 1, containing BRCT domain (PES1), mRNA	NT	7657454 NT	1.00E-101	1.ú	11053	5906	754
Homo sapiens ventral anterior homeobox 2 (VAX2), mRNA	\$ NT	7110734 NT	1.00E-101	1.5	10980	5843	688
	4 NT	7110734 NT	1.00E-101	1.5	10979	5843	688
Homo sapiens mRNA for KIAA0446 protein, partial cds	NT	AB007915.2	1.00E-101	1.2	10954	-5827	671
Homo saptens SEC14 (S. cerevisiae)-like 2 (SEC14L2), mRNA	4 NT	7110714 NT	1.00E-101	1.2	10404	:5277	70
Homo sapiens SEC14 (S. cerevisiae)-like 2 (SEC14L2), mRNA	<b>\$</b> NT	7110714 NT	1.00E-101	1.2	10403	5277	70
Homo sapiens small optic tobes (Dirosophila) homolog (SOLH) mRNA	NT	5032104 NT	1.00E-100	3.1	15198	10125	5024
Homo sapiens small optic lobes (Drosophila) homolog (SOLH) mRNA	4 NT	5032104 NT	1.00€-100	3.1	15197	10125	5024
	2 NT	4503792 NT	1.00E-100	1.9	14348	9269	4143
Homo sapiens myotubularin-related protein 1a mRNA, partial cds	ฯ	1.00E-100 AF057354.1	1.00E-100	1.5	14328	9242	4116
	NT	D11078.1	1.00E-100 D11078.1	2.5		8137	2985
30a2 Human retina cDNA randomly primed sublibrary Homo sapiens cDNA	EST_HUMAN	W26450.1	1.00E-100 W26450.1	0.7	12766	7562	2464
Pan troglodytes Interferon gamma precursor (IfnG) mRNA, partial cds	NT	1.00E-100 AF164788.1	1.00E-100	1.1	12692	7489	2388
QV3-DT0045-140200-082-e11 DT0045 Homo sapiens cDNA	EST_HUMAN	AW937782.1	1.00E-100	1.5	12607	7398	2294
Rat mRNA for short type PB-cadherin, complete cds	NT	D83349.1	1.00E-100 D83349.1	0.5		7304	2195
SW:CYT_COTJA P81061 CYSTATIN ;	EST_HUMAN	1.00E-100 AI200857.1	1.00E-100	0.5	11826	8000	1533

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	<b>S</b>	579	233	233	3922	3725	. 3695	3592	3393	3333	2578	2401	2257	1932	1932	1872	1578	201	හු	5063	4314	4139	3026	2261	2261	2157	1398	1101	758	748	604
`	5739	5739	5424	5424	9056	8862	8834	8731	8535	8477					$\neg$	7	6704	5395		$\Box$	9437	9265	8178	7367	7367	7266	6525	6239	5910	5900	5762
	10856	10855	10549	10548	14143	13955			13640	13590	12872	12707	12572	12241	12240	12175	11874	10521	10426	15237	14526	14346	13279	12577	12576	12476	11694	11391	11058	11047	10882
	1.1	1.1	0.9	0.9	3.0	1.2	2.4	1.3	1.1	3.4	0.9	0.8	0.6	1.3	1.3	1.0	0.8	0.8	2.8	==	2.1	1.5	1.5	1.3	1.3	0.7	33.0	0.7	1.5	0.7	0.9
	1.00E-10	1.00E-10	1.00E-104	1.00E-10	1.00E-103	1.00E-103	1.00E-10	1.00E-10	1.00E-10	1.00E-10	1.00∈-10	1.00E-10	1.00E-103	1.00E-103	1.00E-103	1.00E-103	1.00E-10	1.00E-103	1.00E-10	1.00E-10	1.00E-10	1.00E-10	1.00E-102	1.00E-10	1.00E-10	1.00E-10	1.00E-10	1.00E-10	1.00E-102	1.00E-10	1.00E-10
	1,00E-104 AA496139.1	1.00E-104 AA496139.1	M AL037549.3	1.00E-104 AL037549.3	13 1723683.1	)3 AA485663.1	1.00E-103 AF023861.1	1.00E-103 AL048453.2	1.00E-103 AB040892.1	1.00E-103 AW298245.1	1.00E-103 N32770.1	1.00E-103 AF060568.1	3 5803184 NT		3 4502428 NT	3 7657592	1.00E-103 AF012872.1	3 5453793 NT	1.00E-103 D87078.2	1.00E-102 R66488.1	1.00E-102 BE251310.1	1.00E-102 AL163207.2	2 7661979 NT	1.00E-102 AI950528.1	1.00E-102 AI950528.1	1.00E-102 AF182645.1	1.00E-102 BE408447.1	1.00E-102 M10976.1	2 4557534 NT	1.00E-102 D30612.1	2 BE252470.1
	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	ZT	EST_HUMAN	S	EST_HUMAN	EST_HUMAN	NT NT	4 NT	8NT	8 NT	2 NT	NT	3 NT	NT	EST_HUMAN	EST_HUMAN	NT	9 NT	EST HUMAN	EST_HUMAN	TN	EST HUMAN	NT	4 NT	NT	EST_HUMAN
	TR:G487738 G487738 PUTATIVE POTASSIUM CHANNEL SUBUNIT.;	Zv51111.81 Scares_tastis_NHT Homo saplens cDNA clone IMAGE: 57.197 3: SIMILIAT TR::G487738 G487738 PUTATIVE POTASSIUM CHANNEL SUBUNIT.	DKFZp564H1072_r1 564 (synonym: hfbr2) Homo saplens cDNA clone DKFZp564H1072 5	DKFZp564H1072_r1 564 (synonym: hfbr2) Homo saplens cDNA clone DKFZp564H1072 5'	seq340 b4HB3MA-Cot109+10-Bio Homo sapiens cDNA done b4HB3MA-Cot109+10-Bio-7	ab10d12.s1 Stratagene lung (#937210) Homo sapiens curva cione invasciono contains element LTR10 repetitive element;	Macaca mulatta cyclophilin A mkwa, complete cus	DKFZp586J1124_r1 586 (synonym: nut81) Homo sapiens curve cione unit 4p3ew 1144	Homo sapiens mRNA for KIAA1459 protein, partial cos	UI-H-BW0-ajt-h-11-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE:2733165 3	yw91d08.s1 Soares_placenta_8to9weeks_2NbHP8to9W Homo sapiens cunva cione IMAGE:259599 3'	Homo sapiens promyelocytic feukemia zinc tinger protein (PLZF) gene, complete cus	Homo sapiens synaptophysin-like protein (SYPL), mRNA		Homo sapiens bone morphogenetic protein 8 (osteogenic protein 2) (amiro) mixture	Homo sapiens sing GDS-ASSOCIATED PROTEIN (SMAP), mKNA		Homo sapiens nucleolar protein (KKE/D repeat) (NOP56) mKNA	Homo sapiens mRNA for KIAA0235 protein, partial cds	yi32c04.r1 Soares placenta Nb2HP Homo saplens cDNA clone IMAGE:140934 5	601107843F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3343882 5	Homo sapiens chromosome 21 segment HS21C007	Homo sapiens KIAA0187 gene product (KIAA0187), mRNA	wx51e07.x1 NCI_CGAP_Lu28 Homo sapiens CUNA cione invasci. C347.244 3 similar to SW:GG95_HUMAN Q08379 GOLGIN-95. ;contains element MER22 repetitive element ;	wx51e07.x1 NCI_CGAP_Lu28 Homo sapiens cunA cione invASE2.247.24 3 sirillia to SW:GG95_HUMAN Q08379 GOLGIN-95. ;contains element MER22.24.25 in the cione in the contains element element in the contains element eleme	Homo sapiens chondrosarcoma-associated protein 2 (CSA2) mRNA, complete cos	601299982F1 NIH MGC 21 Homo sapiens cDNA clone IMAGE:3529901 5	Human endogenous retroviral DNA (4-1), complete retroviral segment	Homo sapiens down-regulated in adenoma (DRA) mRNA	Homo sapiens mRNA for repressor protein, partial cds	601108292F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3344326 5'

Homo sapiens cysteine-rich repeat-containing protein S52 precursor, mRNA, complete cds	Z	1.00E-104 AF167706.1	1.00E-104	1.2	1 12629	2318 7421	2318
Human lymphocytic antigen CD59/MEM43 mRNA, complete cds	NT		1.00E-104 M34671.1		2147 7257 12464 2.6	7257	2147
ws60d04x1 NCI_CGAP_Bm25 Homo sapiens cDNA clone IMAGE:2501575 3' similar to TR:Q13541 Q13541 4E-BINDING PROTEIN 1.;	EST_HUMAN	1.00E-104 AW054828.1	1.00E-104	1.9		1898 7016	1898
Homo sapiens bone morphogenetic protein 8 (osteogenic protein 2) (BMP8) mRNA	NT	4502428 NT	1.00E-104	1845 6963 12149 0.7	12149	6963	1845

Litation of the second boundary (second		000.70.	1.000-100	ç	10000	10,48	500	
			1 005-106 100146 1	08	1088	27/0	780	
EST377629 MAGE rasequences. MAGI Homo sapiens cDNA	EST HUMAN		1 00=-106	OB	10818	<u> </u>	531	Т
Homo sapiens hypothetical protein FLJ11316 (FLJ11316), mRNA		22990	1.005-108	0.9	10529	205	31.5	Т
		AI565065.1	1.00E-106 AI565065.1	0.5	10519	3	ĝ	Т
UI-HF-BNO-akt-g-07-0-UI.rl NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3078348 5	NAWOH ISE	1.00E-106 AW503208.1	1.00E-106	1.0		<u>2</u>	145	
Homo saplens mRNA for KIAA0796 protein, partial cds	NT	1.00E-105 AB018339.1	1.00E-105	1.3	15222	101 14 14	5161	_
Homo saplens mRNA for KIAA0866 protein, complete cds	NT	1.00E-105 AB020673.1	1.00E-105	2.2	15272	10193	5095	_
Homo sapiens mRNA for KIAA0786 protein, partial cds	NT	1.00E-105 AB018339.1	1.00E-105	1.0	15222	10144	5044	1
Homo sapiens chromosome 21 segment HS21C008	NT	AL163208.2	1.00E-105	3.7		9962	4855	
EST373761 MAGE resequences, MAGG Homo sapiens cDNA	EST_HUMAN	1.00E-105 AW961688.1	1.00E-105	2.2	14221	9139	4008	
Homo sapiens bromodomain adjacent to zinc finger domain, 2B (BAZ2B), mRNA	NT	7304922 NT	1.00E-105	0.9	13565	8452	3307	
Homo sapiens bromodomain adjacent to zinc finger domain, 2B (BAZ2B), mRNA	NT	7304922 NT	1.00E-105	0.9	13564	8452	3307	
Homo sapiens 959 kb contig between AML1 and CBR1 on chromosome 21q22; segment 1/3	NT	AJ229041.1	1.00E-105	2.6		8126	2975	
no10d05.s1 NCI_CGAP_Phe1 Homo sapiens cDNA clone IMAGE:1100265 3*	NAWNH ISE	AA584808.1	1.00E-105	0.9		7776	2689	
Human Ku autoimmune antigen gene, complete cds	NT	J04977.1	1.00E-105 J04977.1	0.6	12460	7252	2142	
Human mRNA for KIAA0128 gene, partial cds	TN	D50918.1	1.00E-105 D50918.1	0.6	12187	7002	1884	
Homo sapiens chromosome 21 segment HS21C080	NT	1.00E-105 AL163280.2	1.00E-105	1.2	12085	6898	1777	
Homo sapiens Meis1 (mouse) homolog (MEIS1) mRNA	NT	4505150	1.00E-105	5.7	10309	5208	419	
	NT .	4502166	1.00E-105	1.0	10594	7859	277	
ws80d04.x1 NCI_CGAP_Bm25 Homo sapiens cDNA clone IMAGE::2501575 3' similar to TR::Q13541 Q13541 4E-BINDING PROTEIN 1.;	EST_HUMAN	AW054828.1	1.00E-104	2.8	٠	9846	4735	
Homo sapiens chromosome 21 unknown mRNA	S	AF231920.1	1.00E-104	0.9	14715	9623	4504	
Homo saplens chromosome 21 unknown mRNA	NT	.00E-104 AF231920.1	1.00E-104	9.0	14714	9623	4504	
Human mRNA for fibronectin (FN precursor)	3	X02761.1	1.00E-104 X02761.1	4.3	14489	9405	4280	
Homo saplens mRNA for KIAA1172 protein, partial cds	NT	1.00E-104 AB032998.1	1.00E-104	0.9	14096	8997	3861	
Homo sapiens mRNA for KIAA1276 protein, partial cds	NT	1.00E-104 AB033102.1	1.00E-104	1.0	13793	.8690	3550	
Homo sapiens mRNA for KIAA1276 protein, partial cds	NT	1.00E-104 AB033102.1	1.00E-104	1.0	13792	.8690	3550	
EST21658 Adrenal gland tumor Homo sapiens cDNA 5' end	EST_HUMAN	1.00E-104 AA319436.1	1.00E-104	1.5		8489	3345	
	NT	Y11151.1	1.00E-104 Y11151.1	2.8		8037	2886	
Human lymphocytic antigen CD59/MEM43 mRNA, complete cds	NT	M34671.1	1.00E-104 M34671.1	7.6	13091	7993	2842	
Homo saplens ARP2 (actin-related protein 2, yeast) homolog (ACTR2), mRNA	NT	5031570 NT	1.00€-104	0.6	12691	7488	2387	
Homo sapiens cysteine-rich repeat-containing protein S52 precursor, mRNA, complete cds	NT ·	1.00E-104 AF167706.1	1.00E-104	1.2	12630	7421	~ 2318	
Homo sapiens cysteine-rich repeat-containing protein S52 precursor, mRNA, complete cds	NT	1.00E-104 AF167706.1	1.00E-104	1.2	12629	7421	2318	
Human lymphocytic antigen CD59/MEM43 mRNA, complete cds	NT	M34671.1	1.00E-104	2.6	12464	7257	2147	_
	EST_HUMAN	AW054828.1	1.00E-104	. 1.9		7016	1898	
Homo sapiens bone morphogenetic protein 8 (osteogenic protein 2) (BMP8) mRNA	NT	4502428 NT	1.00E-104	0.7	12149	6963	1845	_

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1257	953	868	796	614	808	264	234	222	5183	4497	3952	3952	3840	3394	3394	3350	3328	3143	3143	2911	2911	2795	2795	2729	2559	2557	2456	2269	2075	1762	1762	1674	1508	590
6386	6099	6016	5947	5772	5764	5451	5425	5414	10275	9617	5806		8976	8536	8536	8494	8472	8292	8292	8061	8061	6541	6541	7813	7653	7651	7655	7375	7187	6883	6883	6798	6635	5749
11547	11256	11176	11097	10893				10535		14708	14167	14166	14076	13642	13641	13605	13585	13400	13399	13168	13167	11716	11715	13019	12856	12854	12761	12584	12390	12066	12085	11976	11804	10866
0.8	3.6	1.2	0.9	8.0	1.1	1.1	1.2	0.5	1.2	1.2	7.2	7.2	1.8	1.0	1.0	3.0	0.8	2.4	2.4	5.0	5.0	=	-1	1.5	0.7	1.3	0.6	3.0	1.1	1.9	. 1.9	1.6	1.0	1.2
1.00E-107	1.00E-107	1.00E-107	1.00E-107	1.00E-107	1.00E-107	1.00E-107	1.00E-107	1.00E-107	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00⊑-10€	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106	1.00E-106
1.00E-107 AB032253.1	1.00E-107 AF154121.1	X60459.1		1.00E-107 AF155103.1	4826863 NT	X60459.1	AJ271735.1		L41644.1	1.00E-106 BE144286.1	1.00E-106 AW974650.1	1.00E-106 AW974650.1	1.00E-106 BE145043.1	1.00E-106 AB033104.1	1.00E-106 AB033104.1	1.00E-106 AW503073.1	1.00E-108 AB008681.1	8922965	8922965	1.00E-106 AB037747.1	1.00E-106 AB037747.1	4504184	4504184	1.00E-106 AI276526.1	BE313721.1	1.00E-106 U64675.2	1.00E-106 AF003528.1	4504184	1.00E-106 BE144286.1	1.00E-106 AA527446.1	1.00E-106 AA527446.1	1.00E-106 U48724.1	1.00E-106 AF145712.1	1.00E-106 J00146.1
NT	NT	NT	NT	NT.	3 NT	NT	NT		Š	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	EST_HUMAN	NT	5 NT	5 NT	NT	T	4 NT	N.		EST HUMAN	NI	Z	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	NT
Homo sapiens BAZ1B mRNA for bromodomain adjacent to zinc finger domain 1B, complete cds	Homo sapiens sodium-dependent high-affinity dicarboxylate transporter (NADC3) mRNA, complete cds	Human IFNAR gene for Interferon alpha/beta receptor		Homo sapiens NY-REN-25 antigen mRNA, partial cds	Homo sapiens neuronal cell adhesion molecule (NRCAM) mRNA	Human IFNAR gene for interferon alpha/beta receptor	Homo sapiens Xq pseudoautosomal region; segment 1/2			MR0-HT0165-140200-008-d10 HT0165 Homo sapiens cDNA	EST386875 MAGE resequences, MAGN Homo sapiens cDNA		PM4-HT0191-281099-002-d06 HT0191 Homo sapiens cDNA		Homo saplens mRNA for KIAA1278 protein, partial cds	UI-HF-BP0p-eje-h-06-0-UI.r1 NIH_MGC_51 Homo saplens cDNA clone IMAGE:3074170 5'	Homo sapiens gene for activin receptor type IIB, complete cds	Homo sapiens hypothetical protein FLJ11273 (FLJ11273), mRNA	Homo sapiens hypothetical protein FLJ11273 (FLJ11273), mRNA	Homo saplens mRNA for KIAA1326 protein, partial cds	Homo saplens mRNA for KIAA1326 protein, partial cds	Homo sapiens glutathione S-transferase theta 1 (GSTT1), mRNA	Homo sapiens glutathione S-transferase theta 1 (GSTT1), mRNA	q176h10.x1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:1878307 3'		nembrane proteir	Homo saplens X-linked anhidroltic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat regions	Homo sapiens glutathione S-transferase theta 1 (GSTT1), mRNA	MR0-HT0165-140200-008-d10 HT0165 Homo sapiens cDNA	ng41c05.s1 NCI_CGAP_Co3 Homo saplens cDNA clone IMAGE:937352 3' similar to contains element LTR3 repetitive element;	ng41c05.s1 NCI_CGAP_Co3 Homo sapiens cDNA clone IMAGE:937352 3' similar to contains element LTR3 repetitive element;	Human epidermal growth factor receptor (EGFR) precursor-mRNA, exon 4, partial cds	Homo saplens soluble neuropilin-1 mRNA, complete cds	Human dihydrofolate reductase pseudogene (psi-hd1)

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2581	2204	2194	1831	1185	1184	583	583	459	58	4868	4699	4555	4425	4425	4065	3742	3158	3158	2378	2282	2282	2012	1244	939	3754	3061	2976	2976	2487	2487	2161	1797	1797	1718
7674	7313	7303	6950		6317	5743	5743	5625	5266	9975	$\Box$	. 9673	9546	9546	9192	8879	8307		7480	7388	7388	7126	6373	9809	8892	8212	8127	8127	7584	7584	7270	6917		6841
12876	12525	12517	12134	11473	11473	10861	10860		Γ	Γ	14908	14764	14639	14638	14276	13969	13418	13417	12682	12596	12595		11531	11243	13982	13311	13234	13233	12790	12789	12481	12104	12103	12020
1.4	0.7	0.7	0.5	1.7	3.3	5.0			0.9	2.2	2.9	2.1	2.0	2.0	1.3	0.9	1.9	1.9	. 2.6	2.7	2.7	0.7	0.5	1.5	3.9	2.6	1.9	-1,9	0.9	0.9	1.3	1.0	1.0	0.5
1.00E-1	1.00E-1	1.00E-1	1.00E-1	1.00E-1	1.00E-1	1.00E-1	1.00E-1	1.00E-109	1.00E-109	1.00E-108	1.00E-108	1.00E-1	1.00E-10	1.00E-10	1.00E-10	1.00E-108	1.00E-108	1.00E-108	1.00E-108	1.00E-10	1.00E-10	1.00E-10	1.00E-10	1.00E-10	1.00E-10	1.00E-107	1.00E-10	1.00E-10	1.00E-107	1.00E-107	1.00E-107	1.00E-107	1.00E-10	1.00E-10
1.00E-109 AI022328.1	.00E-109 Y17123.1	1.00E-109 AL163284.2	1.00E-109 D13643.2	1.00E-109 M28699.1	1.00E-109 M28699.1	1.00E-109 AB023216.1	1.00E-109 AB023216.1	09 4507712	D86974.1	08 AJ008005.1	08 7661979	1.00E-108 AA186965.1	1.00E-108 U72981.1	1.00E-108 U72961.1	1.00E-108 AW664438.1	08 5453855 NT			BE20669	1.00E-108 AF138303.1	1.00E-108 AF138303.1	1.00E-108 AI089548.1	1.00E-108 Y18000.1	1.00E-108 BE296042.1	1.00E-107 AF020671.1	5902097	1.00E-107 AW842451.1	1.00E-107 AW842451.1	)7 4759153 NT		U13729.1	)7 AB007922.2	1.00E-107 AB007922.2	1.00E-107 AF136275.1
EST_HUMAN	NT	N	3	N	NT	NT	N		2	Z		EST HUMAN	N	N	EST_HUMAN	SNT	4NT	4 NT	EST_HUMAN	Z	NT	EST_HUMAN	NT	EST_HUMAN		7 NT	EST_HUMAN		3 NT	3NT	NT	NT	N	NT
IMAGE: 1654536 3' similar to TR:002197 002197 CIRCULATING CATHODIC ANTIGEN.	Homo sapiens SNr SVINIT gene, exon o	Homo sapiens chromosome 21 segment noz i Coox	Homo sapiens mkn/A for ki/Apurto protein, paruar cue	Homo sapiens nucleotar prosphoprotein 523 (NFM ) IIINNA, willipiere was	Homo sapiens nucleotar prosproprotein 523 (NFM ) illinum, cumplete cus	Homo sapiens mkwa for Kinadusus protein, paruei cus	Homo sapiens mixiva for Nivadese protein, parties and	Homo sapiens tetrautopepude repeat domain a tri roa/ in ver	Tuman innivation not the control of the control and the control of	Homo sapiens ron's general authority and sapients are sapients and sapients and sapients and sapients and sapients and sapients are sapients and sapients and sapients are sapients and sapients and sapients are sapients and sapients and sapients are sapients and sapients and sapients are sapients and sapients are sapients and sapients are sapients and sapients are sapients and sapients are sapients and sapients are sapients and sapients are sapients and sapients are sapients and sapients are sapients and sapients are sapients and sapients are sapients and sap	Homo sapiens KIAA0187 gene product (KIAAU187), mKNA	zp66f01.r1 Stratagene endothelial cell 937223 Homo saplens cDNA clone IMAGE:625177 5	Human nepatocyte nuclear factor 4-alpria gene, exon 4	Human hepatocyte nuclear ractor 4-aipha gene, exon 2	SW:3BP1_MOUSE P55194 SH3-BINDING PROTEIN 3BP-1.;	Homo sapiens pencentriciar material 1 (FCM1) illinos MACE: 2072060 3' cimilar fo	Homo sapiens pregnancy-zone protein (PZP) mixiva	Homo sapiens pregnancy-zone protein (PZP) mknA	gb:X53777 60S RIBOSOMAL PROTEIN L23 (HUMAN); gb:J05277 Mouse hexokinase mRNA, complete cds (MOUSE);	Homo sapiens deconn U mxvvx, complete cus, elientatively opinion	Homo sapiens deconn D mRNA, complete cos, alternatively spiloso	qb06f02.x1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA done IMAGE:1695483 3'	Homo sapiens NF2 gene	601177018F1 NIH_MGC_17 Homo sapiens CUNA Gone IMAGE:3332346 3	Homo sapiens myotubularin (MTM1) gene, exon 9			PM1-CN0031-190100-001-003 CN0031 Homo saprens CDVA	Homo sapiens synaptosomal-associated protein, 29KU (SNAPZe) ITININA	Homo sapiens synaptosomal-associated protein, Zeku (Sivar Ze) IIIINIVA	Human dipeptidyl peptidase IV (CD26) gene, exon 20	Homo sapiens mRNA for KIAA0453 protein, partial cos	Homo saplens mRNA for KIAA0453 protein, partial Cds	

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3048	2810	1879	1258	1163	516	291	104	75	34	34	3	4984	4984	4839	4496	4304	4070	4070	4054	3911	3911	3767	3474	3342	3342	3020	2907	2907	2582	2581
9400	7961		6387	6298	5680	5477	5212	5281				10087	10087	9946	9616	9428	9197	9197	9181	9046		8905			8486	8172	8057	8057	7675	7674
		12182	11548	11453	10801	10608	10313	10408	10350	10348	10313	15159	15158	15035	14707	14518	14282	14281	14264	14134	14133		13727	13601	13600	13272	13163	13162	12878	12877
	1.0	0.5	1.0	===	1.2	0.9	0.6	10.0	1.3	1.3	0.5	0.9	0.9	1.0	1.2	2.3	1.0	1.0	3.7	1.5	1.5	1.5	1.2	1.5	1.5	1.9	1.3	1.3	1.0	1.4
	1.00E-110	1.00E-11	1.00E-110	1.00E-110	1.00E-110	1.00E-110	1.00E-110	1.00E-110	1.00⊑-110	1.00E-110	1.00E-110	1.00E-109	1.00E-108	1.00E-100	1.00E-109	1.00E-109	1.00E-109	1.00E-10	1.00E-10	1.00€-10	1.00E-10	1.00E-10	1.00E-10	1.00E-10	1.00E-10	1.00E-10	1.00E-10	1.00E-10	1.00E-109	1.00E-109
	4503098	1.00E-110 BE379477.1	1.00E-110 AB032253.1	5031620	1.00E-110 U84550.1	1.00E-110 D87291.1	7549804 NT	1.00E-110 C04498.1		5803073 NT	7549804 NT	BE293673.1	1.00E-109 BE293673.1	1.00E-109 R15400.1	7662083 NT		AA662274.1	1.00E-109 AA662274.1	1.00E-109 AI655417.1	1.00E-109 AB011181.2	1.00E-109 AB011181.2	1.00E-109 BE146144.1	1.00E-109 AF240698.1	1.00E-109 AW893192.1	1.00E-109 AW893192.1	1.00E-109 N85190.1	1.00E-109 BE243668.1	1.00E-109 BE243668.1	9 4504206	9 AI022328.1
i	NT	EST_HUMAN	NT	NT	TI	TN	NT	EST_HUMAN	NT	NT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	N	EST_HUMAN
Homo sapiens Bruton's tyrosine kinase (BTK), alpha-D-galactosidase A (GLA), L44-like	Homo sapiens chondroitin sulfate proteoglycan 4 (melanoma-associated) (CSPG4), mRNA	601237545F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3609683 5'	Homo sapiens BAZ1B mRNA for bromodomain adjacent to zinc finger domain 18, complete cds	Homo sapiens calcitonin receptor-like (CALCRL) mRNA	Human dystrobrevin (DTN) gene, exon 20	Human mRNA for inward rectifier potassium channel, complete cds	Homo saplens delodinase, lodothyronine, type II (DIO2), transcript variant 2, mRNA	C04498 Human heart cDNA (YNakamura) Homo sapiens cDNA clone 3NHC3467	Homo sapiens leucine-zipper-like transcriptional regulator, 1 (LZTR1), mRNA	Homo sapiens leucine-zipper-like transcriptional regulator, 1 (LZTR1), mRNA	Homo sapiens delodinase, iodothyronine, type ii (DIO2), transcript variant 2, mRNA	601186922F2 NIH_MGC_15 Homo sapiens cDNA clone IMAGE:2959636 5'	601186922F2 NIH_MGC_15 Homo saplens cDNA clone IMAGE:2959636 5'	ya48e06.r1 Soares Infant brain 1NIB Homo saplens cDNA clone IMAGE:53057 5'	Homo sapiens KIAA0377 gene product (KIAA0377), mRNA	Homo sapiens guanylate cyclase activator 1A (retina) (GUCA1A) mRNA	nu93c12.s1 NCI_CGAP_Pr22 Homo sapiens cDNA clone IMAGE:1218262 3' similar to SW:GTT2_HUMAN P30712 GLUTHATHIONE S-TRANSFERASE THETA 2;	nu93c12.s1 NCI_CGAP_Pr22 Homo sapiens cDNA clone IMAGE:1218262 3' similar to SW:GTT2_HUMAN P30712 GLUTHATHIONE S-TRANSFERASE THETA 2;	ts98e06.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2239330 3' similar to WP:F53A2.8 CE16100 ;		Homo saplens mRNA for KIAA0609 protein, partial cds.	MR0-HT0209-110400-108-a04 HT0209 Homo saplens cDNA	Homo saplens retinol dehydrogenase homolog isoform-1 (RDH) mRNA, complete cds	CM3-NN0009-190400-150-110 NN0009 Homo sapiens cDNA	CM3-NN0009-190400-150-f10 NN0009 Homo sapiens cDNA	J2816F Human fetal heart, Lambda ZAP Express Homo sapiens cDNA clone J2816 5' similar to ZINC FINGER PROTEIN ZNF43	TCBAP1D1367 Pediatric pre-B cell acute lymphoblastic leukemila Baylor-HGSC project=TCBA Homo sapiens cDNA clone TCBAP1367	TCBAP1D1367 Pediatric pre-B cell acute lymphoblastic leukemla Baylor-HGSC project=TCBA Homo saplens cDNA clone TCBAP1367	Homo sapiens guanylate cyclase activator 1A (retina) (GUCA1A) mRNA	ow95a01.x1 Soares_fetal_liver_spieen_1NFLS_S1 Homo sapiens cDNA done IMAGE:1654536 3' similar to TR:002197 002197 CIRCULATING CATHODIC ANTIGEN.;

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Homo sapiens y-ets avan eryunopiastosis vilus Ezo circogorio como (=//	5 N	7657065INT				١	
Homo sapiens view avian eryunopiaswois vilus E26 onogene related (ERG) mRNA	SNT		1.00E-113	1.0	15209		5035
Homo sapiens mRNA for purative RNA rielicase, 3 eriu	NT	1.00E-113 AJ223948.1	1.00E-113	2.3	13345		3091
Homo sapiens FLF genre	NI	1.00E-113 AJ006976.1	1.00E-113	1.0	12711		2405
Homo sapiens interretor regulatory lactor o (intro) illustrator	9NT	5453699 NT	1.00E-113	1.2	12365		2048
	EST HUMAN	1.00E-113 Al365586.1	1.00E-113	1.1	11818		1523
Human X-linked phosphoglycerate kinase gener exerce		M11965.1	1.00E-113 M11965.1	2.2	11232	6074	927
	EST HUMAN	1.00E-113 AJ365586.1	1.00E-113	1.3	11020	$\neg$	725
ao95/01.x1 Schiller meningioma Homo sapiens curva done invage: 1953625 3		1.00E-113 Al365586.1	1.00E-113	1.3	11019	_	725
mRNA	Zi.	9055269	1.00E-112	0.9	15336	10264	5170
Homo saplens mr.(NA for NAX 1411 process), persented by the process of the proces	N.	1.00E-112 AB037832.1	1.00E-112	5.1	14854		4648
	3	1.00E-112 AB037832.1	1.00E-112	5.1	14853		4646
	EST HUMAN	1.00E-112 BE076073.1	1.00E-112	0.8	14042	$\neg$	3809
Homo sapiens SK-related protein LUZ IIINNA, parter SDNA		1.00E-112 AF247662.1	1.00E-112	1.2	13391	П	3135
Homo sapiens DNA-dependent DNA polymerase (nREvo) ilinux, parual cus	NT	1.00E-112 AF004713.1	1.00E-112	0.9	12763	7559	2460
Homo sapiens KIAAU440 protein (KIAAU440), ITIKNA	NT	7662125 NT	1.00E-112	2.1	11957	П	1658
Homo sapians KIAAU44U protein (NIXAU44U), IIINIX	TN	7662125 NT	1.00E-112	2.1	11956	7	1658
ZINC FINGER PROTEIN 135	SWISSPROT	P52742	1.00E-112 P52742	0.6	11337	6186	1046
Homo sapiens HIRA senne protease (FR3011) gette, withhere was	N	1.00E-112 AF157623.1	1.00E-112	1.0	11285	6130	88
Human steroidogenic acute regulatory protein (Story) gener, exercise	3	U29103.1	1.00E-112 U29103.1	1.5	10870	5752	594
Human steroidogenic acute regulatory protein (SWA) gene, exp. 5	N	U29103.1	1.00E-112 U29103.1	1.5	10869	5752	592
Homo saplens acetyl-Coenzyme A carpoxylase pela (ACACO), illrives	T	4501854 NT	1.00E-112	0.9	10867	5750	592
Human enkephalin B (enkB) gene, exon 4 and 3 many and complete cas	NT	K02268.1		4.5	14441	9350	4235
	NT	7661569 NT	1.00E-111	1.1	14292	9207	4080
Homo sapiens sex comb on midleg homolog 1 (SCMH1), mkwx	NT	6912641 NT	1.00E-111	1,2	13875	8781	3642
Homo saplens sex comb on midleg nomolog 1 (ocwird), illinors	NT	6912641	1.00E-111	1.2	13874	8781	3642
	EST_HUMAN	AA213434.1	1.00E-111	2.0	11861	6891	1564
zq93f12.r1 Stratagene hNT neuron (#937233) Homo sapiens cDNA clone IMAGE:649583 5	EST_HUMAN	AA213434.1	1.00E-111 AA213434.1	2.0	11860	669 <u>1</u>	1564
Human cardiac alpha-myosin neavy chain (MTHO) gene, excite 32 to 37	NT	M25142.1	1.00E-111 M25142.1	25.0	11216	6057	911
Homo sapiens cat eye syndrome chucal region gene 1 (CCCC1), IIICAS	NT	8393092 NT	1.00E-111	1.2	11021	88	726
Homo sapiens ras Girase acuvaung promining (1962) mona	3	4758807 NT	1.00E-111	1.0	10510	5383	188
Human ribosomal protein L23a mkNA, complete cus	3	U43701.1		5.7		5362	168
Homo sapiens KIAA1002 protein (KIAA1002), mkwa	NT	7662441 NT	1.00E-110	2.3		10005	4898
ou32b10.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1627963 3' similar to SW:N121_RAT P52581 NUCLEAR ENVELOPE PORE MEMBRANE PROTEIN POM 121	EST_HUMAN	AI017213.1	1.00E-110 Al017213.1	2.1	14739	9652	4533
TR:060312 O60312 KIAA0566 PROTEIN :	EST HUMAN	BE018556.1	1.00E-110 BE018556.1	0.9	14182	9098	3966

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	N	1.00E-115 AJ245922.1	1.00E-115	2.1		7	3077
	TN	1.00E-115 AJ245922.1	1.00E-115	2.1	13327	٦	3077
QV4-UM0094-300300-156-b08 UM0094 Homo saplens cDNA	EST_HUMAN	1.00E-115 AW804759.1	1.00E-115	1.8			2820
Homo sapiens HLA-B associated transcript-1 (D6S81E) mRNA	NT	4758111	1.00E-115	0.8	12990		2704
601174384F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:3529773 5'	EST_HUMAN	1.00E-115 BE296353.1	1.00E-115	0.9	12350	7147	2034
601174384F1 NIH MGC 17 Homo saplens cDNA clone IMAGE:3529773 51	EST_HUMAN	1.00E-115 BE296353.1	1.00E-115	0.9	12349	7147	2034
Homo sapiens Bruton's tyrosine kinase (BTK), alpha-D-galactosidase A (GLA), L44-like ribosomal protein (L44L) and FTP3 (FTP3) genes, complete cds	T	U78027.1	1.00E-115 U78027.1	0.5	12105	6918	1798
	NT	1.00E-115 AJ277892.1	1.00E-115	=======================================	12093	6905	1785
Homo saplens alpha-aminoadipate semialdehyde synthase mRNA, complete cds	NT	1.00E-115 AF229180.1	1.00E-115	0.9	11834	6665	1539
Homo sapiens alpha-aminoadipate semialdehyde synthase mRNA, complete cds	NT	1.00E-115 AF229180.1	1.00E-115	0.9	11833	6665	1539
Homo sapiens ferritin, heavy polypeptide 1 (FTH1) mRNA	NT	4503794 NT	1.00E-115	17.0	11072	5923	111
	Z	5174702 NT	1.00E-115	0.6	11070	5921	769
mRNA	NT	5174702 NT	1.00E-115	0.6	11069	5921	769
TR:000536 000536 TTF-I INTERACTING PEPTIDE 5;	EST_HUMAN	Al339206.1	1.00E-115	1.1	10811	5689	525
qt06f01.x1 NCI_CGAP_GC4 Homo sapiens cDNA clone IMAGE:1946809 3' similar to							
qt06f01.x1 NCI_CGAP_GC4 Homo sapiens cDNA done IMAGE:1948809 3' similar to TR:000536 000536 TTF-I INTERACTING PEPTIDE 5;	EST_HUMAN	Al339206.1	1.00E-115	1.1	10810	5689	525
TRANSCRIPTION REGULATOR PROTEIN BACH1 (BTB AND CNC HOMOLOG 1) (HA2303)	SWISSPROT	O14867	1.00E-115 O14867	1.0	10683	5550	374
QV4-UM0094-300300-156-b08 UM0094 Homo saplens cDNA	EST_HUMAN	1.00E-115 AW804759.1	1.00E-115	0.7	10605	5475	289
Homo sapiens keratin 18 (KRT18) mRNA		4557887 NT	1.00E-115	0.7		5325	129
Homo sapiens polymerase (RNA) II (DNA directed) polypeptide A (220kD) (POLR2A) mRNA	NT	4505938 NT	1.00E-115	1.0	10452	5321	125
Homo sapiens HLA-B associated transcript-1 (D6S81E) mRNA	N	4758111 NT	1.00E-115	1.2	10333	5230	21
Homo sapiens PKY protein kinase mRNA, complete cds	NT	1.00E-114 AF004849.1	1.00E-114	2.3	15295	10217	5121
zq05e05.r1 Stratagene muscle 937209 Homo septens cDNA clone IMAGE:628832 5' similar to contains MER22:t3 MER22 repetitive element;	EST_HUMAN	1.00E-114 AA194468.1	1.00E-114	1.2	15294	10216	5120
Homo saplens NOD1 protein (NOD1) gene, exons 1, 2, and 3	NT	1.00E-114 AF149773.1	1.00E-114	2.0	14153	9068	3934
Human gene for catalase (EC 1.11.1.6) exon 2 mapping to chromosome 11, band p13	NT	X04086.1	1.00E-114 X04086.1	2.3	13346	8243	3092
Homo sapiens mRNA for KIAA1276 protein, partial cds	NT	1.00E-114 AB033102.1	1.00E-114	0.8	10356		2773
Homo sapiens mRNA for KIAA1276 protein, partial cds	NT	1.00E-114 AB033102.1	1.00E-114	0.8	10355		2773
MR3-HT0487-150200-116-d01 HT0487 Homo sapiens cDNA	EST_HUMAN	1.00E-114 BE165972.1	1.00E-114	1.2	12297		1980
Homo saplens nucleoportn-like protein 1 (NLP 1), mRNA	NT	6679073 NT	1.00€-114	2.0	11945		1648
Homo saplens mabdoid tumor deletion region protein 1 (RTDR1), mRNA	NT	7657529 NT	1.00E-114	1.2	11585	П	1291
Homo saplens hypothetical protein FLJ20080 (FLJ20080), mRNA	NT	8923087	1.00E-114	1.3	11347		1055
repetitive element;	EST_HUMAN	T70551.1	1.00E-114 T70551.1	2.6	10911	5788	629
yd15c01.s1 Soares fetal liver spleen 1NFLS Homo saplens cDNA clone IMAGE:106286 3 similar to gb:A21187 ALPHA-2-MACROGLOBULIN PRECÜRSOR (HUMAN);contains Alu							

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1	4622	4475	4247	3908	3230	2164	.1790	1772	1719	1061	546	267	5122	4747	4281	3137	3137	2407	2293	2259	2050	2050	1952	1952	841	783	560	4813	4813	4578	4578	4335	4301	4169	3956	3427
1	П	9595		9043	8378		6910	6893	8842	7906	5709		$\Box$			8286		7	7397	7365	7933		7069	7069		$\neg \tau$	7	П	$\neg$	7	П	П	9425			8569
I	$\neg$	14690		14131	13485	Γ	12096	12081	12021	11353	10828			14950	14490	13393	13392	12713		12574		12366	12266	12265		i	10838		٦		14786					13681
	·	1.9		3.6	1.20		0.8	2.1	6.3		1.2	1.4	1.2		2.0	4.7	4.7	1.6	0.5	0.7		1.0	0.9	0.9	6.9	1.3				2.6			3.4	1.1		4.0
	1.00E-117	1.00E-117	1.00E-117	1.00E	1.00	1.00E-117	1.00E-117	1.00E-	1.00E-117	1.00E-117	1.00E-117	1.00E-117	1.00E-116	1.00E-	1.00E-116	1.00E-116	1.00E-	1.00E-	1.00E-	1.00E-116	1.00	1.00E-	1.00E-116	1.00E-116	1.00E-116	1.00E-116	1.00E-116	1.00E-115	1.00E-115	1.00E-115	1.00E-115	1.00E-115	1.00E-115	1.00E-115	1.00E-	1.00E-
		117	117	117/	Ę			117				117	116/	116/	116		116	116/	116	5	116	116	116	16	116								115	115 A	115 A	115
	X89670.1	AL042120.1	8659564	1.00E-117 AA316723.1	1.00E-11/ AAS/8114.1	AW957699.1	M19816.1	1.00E-117 H26662.1	AF123320.1	AF124393.1	4826636	4507500 NT	AJ243213.1	1.00E-116 AI907086.1	31954	L77570.1	1.00E-116 L77570.1	1.00E-116 AB018333.1	1.00E-116 U78308.1	5453941	1.00E-116 M19824.1	1.00E-116 M19824.1	5174478	5174478 NT	4507334	07334	BE275502.1	AL163268.2	AL163268.2	AL096857.1	AL096857.1	4758279 NT	6912659 NT	AL137163.1	1.00E-115 AB002348.2	1.00E-115 AJ277892.1
	NT	EST_HUMAN	NT	EST_HUMAN	בטן חטאטאוע	EST HUMAN		EST_HUMAN	Z	NT		NT	NT	EST_HUMAN	3	NT	4	3	3	Z	3	3	NT	3	NT.	NT	EST_HUMAN	T	TN	NT	NT	NT	NT	NT	NT	N <sub>1</sub>
	H.sapiens mRNA for TPCR16 protein	DKFZp434C1120_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434C1120 5'	Homo sapians collagen, type IV, alpha 5 (Alpha syndicine) (Cocaro), Illinia		7 6	EST359769 MAGE resequences, www.ce nonio septens colver	Human apolipoprotein B-100 (apob) gene, exon 10	gb:U09850 ZINC FINGER PROTEIN 76 (HUMAN);	Homo sapiens lymphocyte activation-associated protein illivity, configure was	Mus musculus tragile-X-related protein 1 (+x1n) gene, excus 13a utiougii 13	Homo sapiens acetyl-Coenzyme A carroxylase alpha (ACACA), mixiva	Homo sapiens T-cell lymphoma invasion and metastasis 1 (IIAM1) mkNA	Homo sapiens partial 5-HT4 receptor gene, exons 2 to 5	PM-BT135-070499-016 BT135 Homo sapiens cDNA	Homo sapiens sodium phosphate transporter 3 (NF13) mixix		Homo sapiens DiGeorge syndrome critical region, centromeric end	Homo sapiens mRNA for KIAA0790 protein, partial cds	Human olfactory receptor olfr17-201-1 (OR17-201-1) gene, olfactory receptor olfr17-32 (OR17-32) gene and olfactory receptor pseudo_olfr17-01 (OR17-01) pseudogene, complete cds	Homo sapiens protein priospriadase, or flatio calduli rolling dolliani. 1 (1 5 7) 447	Human apolipoprotein B-100 (apob) gene, exons 17 and 10	Human apolipoprotein B-100 (apoB) gene, exons 1/ and 18	Homo sapiens pericentrin (PCNT) mRNA	Homo sapiens pericentin (PCNT) mKNA	Homo sapiens synaptojanin 1 (SYNJ1), mKWA	Homo sapiens synaptojanin 1 (SYNJ1), mRNA	601121347F1 NIH MGC 20 Homo sapiens cDNA clone IMAGE:2988875 5	Homo sapiens chromosome 21 segment HS21C068	Homo sapiens chromosome 21 segment HS21C068	Novel human mRNA from chromosome 1, which has similarities to BA12 genes	Novel human mRNA from chromosome 1, which has similarities to BA12 genes	Homo sapiens EphA4 (EPHA4) mRNA	Homo sapiens sir2-like 3 (SIRT3), mRNA	Novel human gene mapping to chomosome X	Homo saplens mRNA for KIAA0350 protein, partial cds	Homo sapiens partial TTN gene for titin

Homo sapiens aquaponn 4 (AGP4), spiice vanant b, mkNA	2	4/55124 NI	1.00E-120	0.8	12/82	/580	
	2	1N \$10\$710	1.002-120	0.8	12300		2000
Homo sapiens myeloid/lymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog);	1.1N	6174674	4 00E-420	0	12380	7470	2060
Homo saplens myelold/lymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog); translocated to, 4 (MLLT4) mRNA	NT	5174574 NT	1.00E-120	0.9	12379	7172	2060
Homo sapiens collagen, type XII, alpha 1 (COL12A1), mRNA	NT	5729777 NT	1.00E-120	0.7	11991	6808	1684
Homo sapiens collagen, type XII, alpha 1 (COL12A1), mRNA	NT	5729777	1.00€-120	0.7	11990	6808	1684
Homo sapiens cysteine-rich repeat-containing protein S52 precursor, mRNA, complete cds	NT	AF167706.1	1.00E-120	1.4	11880	6709	1583
yy40g12.r1 Soares metanocyte 2NbHM Homo sapiens cDNA clone IMAGE:273766 5'	EST HUMAN		1.00E-120 N44873.1	1.6	11704	6533	1406
Homo sapiens intersectin 2 (SH3D1B) mRNA, complete cds		1.00E-120 AF248540.1	1.00E-120	0.6	11320	6165	1025
Homo sapiens intersectin 2 (SH3D1B) mRNA, complete cds	TN	1.00E-120 AF248540.1	1.00E-120	0.6	11319	6165	1025
Homo sapiens synaptojanin 1 (SYNJ1), mRNA	NT	4507334 NT	1.00E-120	1.3	10614	5484	298
Homo sapiens mRNA for KIAA0758 protein; partial cds	T	1.00E-120 AB018301.1	1.00E-120	1.4	10554	5427	237
7B14F03 Chromosome 7 Fetal Brain cDNA Library Homo saplens cDNA clone 7B14F03	EST_HUMAN	1.00E-119 AA077394.1	1.00E-119	1.0	15285	10207	5111
Homo sapiens glutamate receptor, ionotropic, kainate 1 (GRIK1) mRNA	NT	4504116	1.00E-119	1.2	14105	9006	3870
on10b05.s1 NCI_CGAP_Lu5 Homo saplens cDNA clone IMAGE:1556241 3' similar to WP:E04F6.2 CE01214;	EST_HUMAN	AA916760.1	1.00E-119	<u>:</u>		8350	3202
Homo sapiens hypothetical protein FLJ10052 (FLJ10052), mRNA	NT	8922205	1.00E-119	1.8	13315	8215	3064
Homo saplens mRNA for KIAA0930 protein, partial cds	NT	AB023147.1	1.00E-119	0.8	12195	7008	1891
Homo saplens CGI-105 protein (LOC51011), mRNA	NT	7705607	1.00E-119	0.5	11313	7905	1021
Homo sapiens chloride channel CLC4 (CiC4) mRNA, complete cds	NT	1.00E-119 AF170492.1	1.00E-119	0.8	11040	5894	741
Human mRNA for ribosomal protein, complete cds	NT		1.00E-118 D23660.1	7.7	14211	9129	3998
	EST_HUMAN	1.00E-118 Al347694.1	1.00E-118	4.5	13420	8308	3159
qp01f05.x1 NCI_CGAP_Kld5 Homo saplens cDNA clone IMAGE:1916769 3*	EST_HUMAN	-	1.00E-118	4.5	13419	8308	3159
	TN		1.00E-118 Y13932.1	3.7		8217	3066
Human breakpoint cluster region (BCR) gene, complete cds	TN		1.00E-118 U07000.1	0.9	12998	7796	2711
Human breakpoint cluster region (BCR) gene, complete cds	TIN		1.00E-118 U07000.1	0.9	12997	7796	2711
EST363799 MAGE resequences, MAGB Homo sapiens cDNA	EST_HUMAN		1.00E-118	1.4		7387	2281
801281947F1 NIH MGC 44 Homo sapiens cDNA done IMAGE:3604019 5'	EST_HUMAN	1.00E-118 BE389705.1	1.00E-118	0.9	12509	7295	2186
601281947F1 NIH MGC 44 Homo sapiens cDNA clone IMAGE:3604019 5'			1.00€-118	0.9	12508	7295	2186
	EST HUMAN	1.00E-118 BE389705.1	1.00€-118	0.9	12507	7285	2186
Homo sanians sina oculis homachox (Describia) homolog 1 (SIX1) mRNA	TIS	5174680 NT	1 00E-118	10	11199	7902	898
Homo sapiens hypothetical protein (DJ328E19.C1.1), mRNA	NT.	7657016 NT	1.00E-118	1.7	10793	5670	506
Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	ľ	4507500 N1	1.00E-118	0.5	10664	5534	355
DKFZp434I056_r1 434 (synonym: htes3) Homo saplens cDNA clone DKFZp434I056 5'	EST_HUMAN	1.00E-118 AL045854.1	1.00E-118	0.9	10422	5296	8
	T	1.00E-118 AF161500.1	1.00E-118	3.3	10395	5272	2
~ 1	NT	1.00E-117 AB020673.1	1.00E-117	3.4	15048	9963	4856
- 1	NT	1.00E-117 AF134304.2	1.00E-117	9.2	14915	$\neg$	4705
Homo sapiens Scar2 (SCAR2) gene, partial cds	TIN	1.00E-117 AF134304.2	1.00E-117	9.2	14914		4705
H.sapiens mRNA for TPCR16 protein	NT	X89670.1	1.00E-117 X89670.1	1.4	14832	9236	4622
		٠					

Homo saplens inner membrane protein, mitochondrial (mitoniin) (imimi.), mkna	NI	5803114 NT	1.00E-123	1.7	11299	6145	1005	
	NT	1.00E-123 AL163249.2	1.00E-123	1.3	11292	6138	986	
Human phosphoenolpyruvate carboxykinase (PCK1) gene, promoter region and partial cds	NT	U31519.1	1.00E-123 U31519.1	11	10500	5375	181	
UI-HF-BNO-all-a-03-0-UI:r1 NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3078948 5	EST HUMAN	AW504645.1		1.2		10025	4918	
Homo sapiens amyloid beta (A4) precursor protein (protease nexin-li, Alzheimer disease) (APP), mRNA	NT	4502166 NT	1.00E-122	1.8	14941	9849	4738	
Homo sapiens ribosomai protein L8 (RPL8) mRNA	NT	4506662 NT	1.00E-122	3.8	12748	7540	2441	
Homo sapiens ribosomal protein L8 (RPL8) mRNA	NT	4506662 NT	1.00E-122	3.8	12747	7540	2441	
Homo sapiens cysteine-rich repeat-containing protein S52 precursor, mRNA, complete cds	NT	1.00E-122 AF167706.1	1.00E-122	1.3	11967	6791	1687	
Human kappa-immunoglobulin germline pseudogene (Chr22.4) variable region (subgroup V kappa II)	NT	M20707.1	1.00E-122 M20707.1	1.2	11489	- 6333	1201	
Homo sapiens intersectin short isoform (ITSN) mRNA, complete cds	NT	1.00E-122 AF114488.1	1.00E-122	1.0	11173	6012	884	_
Homo sapiens intersectin short isoform (ITSN) mRNA, complete cds	NT	1.00E-122 AF114488.1	1.00E-122	0.8	10639	5514	333	_
CM-BT043-090299-075 BT043 Homo sapiens cDNA	EST_HUMAN	AI904151.1	1.00E-121	1.0	15227	10150	5050	_
	NT	X91937.1	1.00E-121 X91937.1	2.6	15088	10008	4901	_
Homo sapiens prospero-related homeobox 1 (PROX1) mRNA	NT	4506118 NT	1.00E-121	5.5	14777	9683	4565	_
qx57b01.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:2005417 3'	EST HUMAN	AI263294.1	1.00E-121	1.2	14442	9360	4236	
Homo sapiens adaptor-related protein complex AP-4 epsilon subunit mRNA, complete cds	NT	1.00E-121 AF155156.2	1.00E-121	6.6	13857	8763	3624	
Homo saplens mRNA for KIAA1337 protein, partial cds	NT	1.00E-121 AB037758.1	1.00E-121	1.1	13746	8633	3492	
Homo saplens mRNA for KIAA1337 protein, partial cds	NT	1.00E-121 AB037758.1	1.00E-121	1.1	13745	8633	3492	
Homo sapiens hHb3 gene for hair keratin, exons 1 to 9	NT	Y19208.1	1.00E-121 Y19208.1	3.1	13296	8193	3042	_
Homo saplens hHb3 gene for hair keratin, exons 1 to 9	NT	Y19208.1		3.1	13295	8193	3042	
Homo sapiens glutamate receptor, metabotropic 1 (GRM1) mRNA	N	6006005	1.00E-121	1.2	12373	7167	··· 2055	_
Homo sapiens inositol polyphosphate-4-phosphatase, type I, 107kD (INPP4A), splice variant a, mRNA	NT	4755139 NT	1.00E-121	0.8	12230	··· 7040	1923	
Homo sapiens inositol polyphosphate-4-phosphatase, type I, 107kD (INPP4A), splice variant a, mRNA	NT.	4755139 NT	1.00E-121	0.9	12228	7040	1923	
Homo sapiens mRNA for KIAA0581 protein, partial cds	N	AB011153.1	1.00E-121	1.0	11851	6683	1558	_
Homo sapiens TNF receptor-associated factor 1 (TRAF1) mRNA	NT	5032192 NT	1.00E-121	1.2	10997	7896	707	
Homo sapiens NF2 gene	NT	Y18000.1	1.00E-121	1.0	10399	5274	67	
qd61f03.x1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1733981 3'	EST_HUMAN	1.00E-120 A1190903.1	1.00E-120	0.9	15333	10262	5168	
Homo sapiens stanniocalcin (STC) gene, partial cds	NT	.00E-120 AF098463.1	1.00E-120	2.8	14775	9681	4563	
Homo sapiens stanniocalcin (STC) gene, partial cds	NT	AF098463.1	1.00E-120	2.8	14774	9881	4563	
MR0-HT0209-301199-101-d04 HT0209 Homo saplens cDNA	EST_HUMAN	.00E-120 AW378049.1	1.00E-120	1.2	14752	9662	4543	
Homo saplens cAMP-specific phosphodiesterase 8A (PDE8A) mRNA, partial cds	NT	.00E-120 AF056490.1	1.00E-120	1.2	14469		4260	
Homo sapiens cAMP-specific phosphodiesterase &A (PDE&A) mRNA, partial cds	NT	1.00E-120 AF056490.1	1.00E-120	1.2	14468		4260	
Homo sapiens synaptojanin 1 (SYNJ1), mRNA	NT	4507334 NT	1.00E-120	1.1	10614	5484	3267	

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	EST HUMAN	1.00E-124 AI204535.1	1.00E-124	2.7	15217	10139	503	_
Human fibronectin gene extra type III repeat (EDII), exon x+1	NT.	M18178.1	1 00F-124 M18178.1	1	1	2057	1850	_
Homo sapiens gene for B120, exon 11	2	1.00E-124 AB024069.1	1.00E-124	1.6	14847	9753	4630	_
Homo sapiens glutamate receptor, ionotropic, kainate 1 (GRiK1) mRNA	NT	4504116 NT	1.00E-124	1.2	14198	9115	3983	_
Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	NT	4507500 NT	1.00E-124	1.1	14060	8962	3825	-
H.saplens lactate dehydrogenase B gene exon 1 and 2 (EC 1.1.1.27) (and joined CUS)	NT	X13794.1	1.00E-124 X13794.1	3.0	13832	8737	3598	_
Homo sapiens ATP-sensitive Inwardly rectifying K-channel subunit (KCNJ&BIR1) gene, exon	NT	S78684.1	1.00E-124 S78684.1	1.0	13702	8588	3446	
Homo saplens ATP-sensitive inwardly rectifying K-channel subunit (KCNJ6/BIR1) gene, exon	NT	S78684.1	1.00E-124 S78684.1	1.0	13701	8588	3446	
Homo sapiens giutamate receptor, ionotropic, kainate 1 (GRIK1) mRNA	NT	4504116 NT	1.00E-124	9.0	13577	8464	3319	_
Homo sapiens gene for B120, exon 11	NT	AB024069.1	1.00E-124	0.9	12714	7507	2408	7
RC3-CT0197-150999-011-G05 CT0197 Homo sapiens cDNA	EST HUMAN	1.00E-124 AW846943.1	1.00E-124	0.8		7412	2309	
Homo saplens zinc finger protein 76 (expressed in testis) (ZNF76) mRNA	NT	4508032 NT		0.9	12107	6921	1802	-1
Homo saplens mRNA for nucleolar RNA-helicase (noH61 gene)	NT	AJ131712.1	1.00E-124	0.9	12082	6894	1773	т
Homo saplens glucose transporter 3 gene, exons 9, 10, and complete cds	NT	AF274892.1	1.00E-124	2.0	11619	6453	1324	7
Homo sapiens glucose transporter 3 gene, exons 9, 10, and complete cds	NT	1.00E-124 AF274892.1	1.00E-124	2.0	11618	6453	1324	7
Homo sapiens hypothetical protein (HSPC068), mRNA	NT	7705446 NT	1.00E-124	0.6	11192	£03	886	7
Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	NT	4507500 NT	1.00E-124	==	11093	5942	791	7
Human putative ribosomal protein S1 mRNA	NT.	AF155654.1	1.00E-124	1.3	11041	5895	742	_
ELEMENT);	EST_HUMAN	1.00E-124 AA397551.1	1.00E-124	0.7	10962	5831	676	
zt81b04.r1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:728719 5 similar to TR:G300482 G300482 POL=REVERSE TRANSCRIPTASE HOMOLOG {RETROVIRAL								
ELEMENT);	EST_HUMAN	1.00E-124 AA397551.1	1.00E-124	0.7	10961	5831	676	
zt81b04.r1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:728/19 5 similar to TR:G300482 G300482 POL=REVERSE TRANSCRIPTASE HOMOLOG {RETROVIRAL								
	NT	1.00E-124 AL163246.2	1.00E-124	0.7	10770	5643	477	
Homo sapiens DNA for amyloid precursor protein, complete cds	NT	D87675.1	1.00E-124 D87675.	0.7		5461	273	_
Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	NT	4507500 NT	1.00E-124	1.1	10581	5455	268	-т
Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	NT	4507500 NT	1.00E-124	::1	10580	5455	268	-
Homo sapiens RAB9-like protein (LOC51209), mRNA	NT	7705962	1.00E-123	1.6		7373	2267	1
Homo sapiens ameliagenin (Y chromosome) (AMELY) mRNA		4502072 NT	1.00E-123	<u></u> 1	12371	7164	2052	Т
Homo saplens amelogenin (Y chromosome) (AMELY) mRNA		4502072 NT	1.00E-123	1.1	12370	7164	2052	7
Homo sapiens amelogenin (Y chromosome) (AMELY) mRNA	NT	02072	1.00E-123		12369	7162	2052	7
Homo sapiens partial mRNA for immunoglobulin kappa chain variable region (tovin gene), sample GN02	NT	1.00E-123 AJ388641.1	1.00E-123	0.6	11743	6566	. 1439	
RC1-CT0295-241199-011-a03 CT0285 Homo sapiens cDNA	EST_HUMAN	AW362922.1	1.00E-123	0.9	11588	6422	1293	_
Homo sapiens phosphatidylinositol-4-phosphate 5-kinase, type II, beta (PIPSKZB) mkna, and translated products		4505818 NT	1.00E-123	1.1	11509	6348	1218	
Homo saplens phosphatidylinositol-4-phosphate 5-kinase, type (i, ceta (rirroxab) ilinvix, and translated products		4505818 NT	1.00E-123	1.1	11508	6348	1218	
I ALL II - III A - London to II hat (BIDEK'SB) mBNA								1

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	<u> </u>	3348	2162	2025	2025	1138	1138	452	4575	4532	4499	4395	4160	4188	4128	4026	3740	9,00	3450	3436	2579	2579	2566	2153	2020	2020	1665	898	863	272	272	168	166	165
10/01	6676	8492	7271	7138	7138	6274	6274	5618	9692	9651	9619	9517	9286	9286	9254	9154	8877		95.78	8578	7672	7672	7659	7263	7133	7133	6789	Г	6011	5460		5360	П	5360
10/14	1071	13603	12482	12338	12337	11425	11424	10746	14784		14710	14607	14366	14365	14334	14238	13967	10000	1380	13689	12874	12873	12862	12471	12333	12332	11965	Г	Γ	10589	10588	10487	П	10487
2.2	<b>.</b>	1.1	4.8	4.4	4.4	1.5	1.5	1.5	1.0	1.9	4.2	0.9	21.5		0.9	==	0.9	1.5	T		1.0	1.0	1.0	2.7	0.6	0.6	1.0	1.3	1.3	0.8	0.8	0.8		1.2
1.005-129 33//22.1	2	1.00E-128	1.00E-128	1.00E-128 U02523.1	1.00E-128 U02523.1	1.00E-128	1.00E-128	1.00E-128	1.00E-127	1.00E-127	1.00E-127	1.00E-127	1.00E-127	1.00E-127	1.00E-127	1.00E-127	1.00E-127	1.000:127	1 000	1 00E-127	1.00E-127	1.00E-127	1.00E-127	1.00E-127	1.00E-127	1.00E-127	1.00E-127	1.00E-127	1.00E-127	1.00E-127	1.00E-12	1.00E-12	1.00E-12	1.00E-12
53//22.1		1.00E-128 AB033073.1	4506718 NT	U02523.1	U02523.1	4758081	4758081	1.00E-128 BE385617.1	6912639	AL163268.2	4506384	AF252297.1	7706239 NT	7706239 NT	AL163247.2	AF135188.1	1.00E-127 AW161297.1	1.00E-127 AVV010400.1	ANNICADADE A	1 00E-127 AWS10485 1	1.00E-127 AW403790.1	1.00E-127 AW403790.1			5803065 NT	5803065 NT	4827053 NT	U72621.2	AF114488.1	D87675.1	1.00E-127 D87675.1	1.00E-127 AB024597.1	1.00E-127 AB024597.1	1.00E-127 AB024597.1
2		NT	NT	NT	NT	NT	NT	EST_HUMAN	NT	NT	INT	NT	NT	NT	NT	NT	EST_HUMAN	EST FOMAN	TO TOWN	EST HIMAN	EST HUMAN	EST_HUMAN	7 NT	ONT	5 NT	5 NT	3 NT	TN	NT	N.	NT	NT	NT	NT T
4	sulin-like growth factor binding pro		Homo sapiens ribosomal protein S2 (RPS2) mRNA	Human FAU1P pseudogene, trinucleotide repeat regions	Human FAU1P pseudogene, trinucleotide repeat regions	Homo sapiens chondroltin sulfate proteoglycan 2 (versican) (CSPG2) mRNA		601278127F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3618822 5'	Homo sapiens Ring1 and YY1 binding protein (RYBP), mRNA	Homo sapiens chromosome 21 segment HS21C068	Homo sapiens RAD1 (S. pombe) homolog (RAD1) mRNA, and translated products	Homo sapiens cytochrome P450 retinoid metabolizing protein P450RAI-2 mRNA, complete cds	Homo sapiens neuroblastoma-amplified protein (LOC51594), mRNA	Homo sapiens neuroblastoma-amplified protein (LOC51594), mRNA	Homo sapiens chromosome 21 segment HS21C047	Homo sapiens delayed rectifier potassium channel subunit IsK mRNA, complete cds	similar to TR:Q15170 Q15170 TRANSCRIPTION FACTOR S-II-RELATED PROTEIN contains element MER22 repetitive element;	augnena vi Schneider fetal hosis 00004 Homo emplore contaction into CE 3780E04 E	POOR CONTRACTOR CONTRA	DOO 010370 340400 033 h43 010370 Hand and a series of the	UI-HF-BK0-abn-a-06-0-UI.r1 NIH_MGC_36 Homo sapians cDNA clone IMAGE:3056555 5'	UI-HF-BKO-abn-a-06-0-UI.r1 NIH_MGC_36 Homo saplens cDNA clone IMAGE:3056555 5'	Homo saplens keralin 18 (KRT18) mRNA	Homo saplens ribosomal protein L26 (RPL26) mRNA	Homo sapiens leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 1 (LILRA1), mRNA	Homo sapiens leukocyte immunogłobulin-like receptor, subfamily A (with TM domain), member 1 (LILRA1), mRNA	Homo sapiens ubiquitin specific protease 8 (USP8) mRNA	Homo sapiens lost on transformation LOT1 mRNA, complete cds	Homo saplens intersectin short isoform (ITSN) mRNA, complete cds	Homo saplens DNA for amyloid precursor protein, complete cds	Homo sapiens DNA for amyfold precursor protein, complete cds	Homo sapiens mRNA for casein kinase i eosilon, complete cos	Homo saplens mRNA for casein kinase I epsilon, complete cds	Homo sapiens mRNA for casein kinase i epsiton, complete cds

	[14]	1.1700001	-	2.5	10331	5229	
Homo caniene DCRR1 mRNA partial cds	MIT	70207		1.3	Γ	Т	15
	22340 NT			-	Γ	Т	10
Homo saplens hypothetical protein FLJ20371 (FLJ20371), mRNA	8923349 NT	2	3	3	T	Т	
Homo saptens checkpoint suppressor 1 (CHES1), mRNA	4885136 NT	4	٥	1.4	T	Т	7
TR:G222811 G222811 ALPHA 1 CHAIN OF TYPE XII COLLAGEN.:	1 EST HUMAN	AA228126.1	0	0.9	10315	5213	4
TR:G222811 G222811 ALPHA 1 CHAIN OF TYPE XII COLLAGEN.;	1 EST HUMAN	AA228128.1	0	0.9	10314	5213	4
RCU-C10316-201199-001-811 C10010 nonline september 10	.1 EST_HUMAN	AW363299.1	1.00E-130	±	15206	10130	5029
RC0-CT0318-201199-031-a11 C10316 Floring Sapients GUNA	EST	1.00E-130 AW363299.1	1.00E-130	1:1	15205	ا ــا	5029
	EST	.00E-130 AW843993.1	1.00E-130	7.5	14654	6556	4438
UI-HF-BN0-aky-g-06-0-UI.rl NIH_MGC_50 Homo saptens cDNA done IMAGE:3078731 5	EST	1,00E-130 AW503580.1	1.00E-130	11	14092	8993	3857
Homo sapiens reunoi denyarogenase ilolinologisoromici (world ilinaas, compressione	N	1.00E-130 AF240698.1	1.00E-130	-1	13775	8671	3530
	05458		1.00E-130	0.8	13210		2952
Homo sapiens neuropilin z (NRPZ) mrxxx	4505458 NT		1.00E-130	0.8	13209		2952
Homo sapiens RE i lingar proteintike i anuserise u airscript, paruar	NT	1.00E-130 AJ010230.1	1.00E-130	2.8		П	2743
601155971F1 NIH MGC 21 Homo sapiens CDNA Goile IMAGE. 3 13-100 3	1 EST HUMAN	1.00E-130 BE280697.1	1.00E-130	1.5	12567	П	2253
601155971F1 NIH MGC 21 Homo sapiens CUNA Gone IMAGE:313900 5	EST	1.00E-130 BE280697.1	1.00E-130	1.5	12566	П	2253
Human gene for catalase (EC 1.11.1.6) exon 9 mapping to chromosome 11, party p13	ZH	X04092.1	1.00E-130 X04092.1	0.8		7057	198
	1 EST HUMAN	1.00E-130 BE275192.1	1.00E-130	2.5	11941	6769	15. 15. 15. 15. 15. 15. 15. 15. 15. 15.
	EST	1.00E-130 BE275192.1	1.00E-130	2.5	11940	6769	1643
/-2 locus, Co	NT	1.00E-130 AJ133269.1	1.00E-130	i i i		6136	<b>2</b> 99
CAV1 (exons 1 and 2)	Z Z	1.00E-130 AJ133269.1	1.00E-130	0.7		6136	993
Homo sapiens RACK-like protein PRACET (PRACET) litrary, will press was	N	1.00E-130 AF233453.1	1.00E-130	1.0	10514	5386	192
Homo sapiens RACK-like protein PRKCBP1 (PRKCBP1) mriva, complete cds	NT	1.00E-130 AF233453.1	1.00E-130	1.0	10513	5386	192
CMYA5 Human cardiac muscle expression library Homo sapiens curva cone a 10 1000 similar to CMYA5 Cardiomyopathy associated gene 5	.1 EST_HUMAN	1.00E-129 AW755254.1	1.00E-129	9.7	14389	9309	4183
CMYA5 Human cardiac muscle expression library norms express control of the contro	.1 EST_HUMAN	1.00E-129 AW755254.1	1.00E-129	9.7	14388	9309	4183
Homo saplens mRNA for KIAA1459 protein, partial cos	NT	1.00E-129 AB040892.1	1.00E-129	2.2	14286	9200	4073
Homo sapiens IMP (inosine monophosphate) denydrogenase i (imruni) ilinias	4504686 NT	45	1.00E-129	6.1	14217	9135	400
Homo sapiens platelet-derived growth factor receptor, beta polypeptide (PDGFRB) mRNA	4505682 NT	45	1.00E-129	1.2	13036	7835	2751
Homo sapiens platelet-derived growth factor receptor, beta polypeptide (PDGFRB) mRNA	4505682 NT	45	1.00E-129	1.2	13035	7835	2751
Novel human mRNA containing Zinc tinger CZHZ type contains	NI	1.00E-129 AL096880.1	1.00E-129	1.0	11993	6813	1689
	፯	S37722.1	1.00E-129 S37722.1	0.8	10714	5575	407
This is a second of the second control of the second of th							

52 5261 10380 1.2 0 D78804.1 EST_HUMAN 53 5262 10381 1.4 0 L16558.1 NT 55 5264 10385 2.8 0 AW069534.1 EST_HUMAN 55 5264 10385 2.8 0 AW069534.1 EST_HUMAN 55 5264 10385 2.0 0 M69676.1 NT 69 5267 10389 2.0 0 M69676.1 NT 69 5276 10401 0.6 0 4758977 NT 71 5276 10402 0.6 0 4758977 NT 71 5276 10402 0.5 0 4758977 NT 71 5278 10407 14.0 0 AA953770.1 EST_HUMAN 76 5282 10409 1.1 0 450444 NT 77 5283 10421 4.6 0 U89277.1 NT 94 5301 10427 1.5 0 A114743.1 EST_HUMAN 95 5302 10428 1.0 0 A8937784.1 NT 110 5313 10438 1.4 0 A1623701.1 EST_HUMAN 111 5313 10438 1.4 0 A1623701.1 EST_HUMAN
5261         10380         1.2         0         D78804.1           5262         10381         1.4         0         L16558.1           5264         10384         2.8         0         AW069534.1           5267         10385         2.8         0         AW069534.1           5267         10389         2.0         0         M60676.1           5269         0.9         0         M60676.1           5276         10401         0.6         0         4758977           5276         10402         0.6         0         4758977           5276         10401         0.5         0         4758977           5276         10402         0.5         0         4758977           5276         10402         0.5         0         4758977           5276         10407         14.0         0         A953770.1           5280         10407         14.0         0         A953770.1           5281         10418         16.0         0         450444           5295         10421         4.6         0         U89277.1           5302         10428         1.0         AB037784.1
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5267         10389         2.0         0         M80676.1         NT           5269         0.9         0         M60676.1         NT           5276         10401         0.6         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10401         0.5         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5280         10407         14.0         0         A953770.1         EST           5282         10409         1.1         0         4504444         NT           5295         10421         4.6         0         U89277.1
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5267         10389         2.0         0         M60676.1         NT           5269         0.9         0         M60676.1         NT           5276         10401         0.6         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10401         0.5         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5280         10407         14.0         0         A953770.1         EST           5282         10409         1.1         0         4504444         NT           5292         10418         16.0         0         0
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5264         10385         2.8         0         AW069534.1         EST           5267         10389         2.0         0         M60676.1         NT           5276         10401         0.6         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5280         10407         14.0         0         A953770.1         EST           5282         10409         1.1         0         4504444         NT           5292         10418         16.0         0         0         450468         NT           5301         10427         4.5
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5264         10385         2.8         0         AW069534.1         EST           5267         10389         2.0         0         M60676.1         NT           5276         10401         0.6         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10401         0.5         0         4758977         NT           5278         10401         0.5         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5276         10407         0.5         0         4758977         NT           5280         10407         14.0         0         AA953770.1         EST           5282         10409         1.1         0         4504444         NT           5292         10418         16.0         0<
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5264         10385         2.8         0         AW069534.1         EST           5267         10389         2.0         0         M60676.1         NT           5276         10401         0.6         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10401         0.5         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5280         10407         14.0         0         AA953770.1         EST           5282         10409         1.1         0         4504444         NT           5292         10418         16.0         0         5016088         NT
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5264         10385         2.8         0         AW069534.1         EST           5267         10389         2.0         0         M60676.1         NT           5276         10401         0.6         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10401         0.5         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5280         10407         14.0         0         AA95377.1         EST           5282         10409         1.1         0         450444         NT           5283         0         0         0
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5264         10385         2.8         0         AW069534.1         EST           5267         10389         2.0         0         M60676.1         NT           5276         10401         0.6         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10401         0.5         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5280         10407         14.0         0         AA95377.1         EST           5282         10409         1.1         0         A595377.1         EST
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5267         10389         2.0         0         M60676.1         NT           5269         0.9         0         M60676.1         NT           5276         10401         0.6         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10401         0.5         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5280         10407         14.0         0         AA953770.1         EST
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5267         10385         2.8         0         AW069534.1         EST           5269         2.0         0         M80676.1         NT           5276         10401         0.6         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10401         0.5         0         4758977         NT           5276         10402         0.5         0         4758977         NT           5276         10402         0.5         0         4758977         NT
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5264         10385         2.8         0         AW069534.1         EST           5267         10389         2.0         0         M80676.1         NT           5269         0.9         0         M60676.1         NT           5276         10401         0.6         0         4758977         NT           5276         10402         0.6         0         4758977         NT           5276         10401         0.5         0         4758977         NT
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5264         10385         2.8         0         AW069534.1         EST           5267         10389         2.0         0         M80676.1         NT           5269         0.9         0         M60676.1         NT           5276         10401         0.6         0         4758977         NT           5276         10402         0.6         0         4758977         NT
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5264         10385         2.8         0         AW069534.1         EST           5267         10389         2.0         0         M60676.1         NT           5269         0.9         0         M60676.1         NT           5276         10401         0.6         0         4758977         NT
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5264         10385         2.8         0         AW069534.1         EST           5267         10389         2.0         0         M80676.1         NT           5269         0.9         0         M60676.1         NT
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5264         10385         2.8         0         AW069534.1         EST           5267         10389         2.0         0         M80676.1         NT
5261         10380         1.2         0         D78804.1         EST           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST           5264         10385         2.8         0         AW069534.1         EST
5261         10380         1.2         0         D78804.1         EST_           5262         10381         1.4         0         L16558.1         NT           5264         10384         2.8         0         AW069534.1         EST_
5261 10380 1.2 0 D78804.1 5282 10381 1.4 0 L16558.1
5281 10380 1.2 0 D78804.1
52 5261 10379 1.2 0 D78804.1 EST_HUMAN
51 5260 10378 1.4 0 Y17151.2 NT
5260 10377 1.4 0 Y17151.2
10351 0.8 0
5242 10348
5233 10336 1.9 0 AF141349.1
20 5229 10332 2.5 0 D83327.1 NT

nollo aapara inviscom en	2	AF114488.1	>	2	2004	П	
Tuomo canione intersectin short isoform (ITSN) mRNA, complete cds	Z	4507152 NI	0	4.5	10620	Т	307
Library Spring SON DNA hinding protein (SON) mRNA	1	450/152 NI	0	3.3	10620	П	306
Homo serviens SON DNA binding protein (SON) mRNA	` <b>\</b> -	AAABUUUL. I	0	0.7		5490	305
7/18c08.rt Soares NhHMPu S1 Homo saplens cDNA clone IMAGE:753894 5	EST HIMAN	4503914 N	0	0.7	10619	5489	304
Homo sapiens phosphoribosylaminolmidazole synthetase (GART) mRNA							
to the second of	IN	4300720111	0	1.8		7886	303
Homo saciens ribosomal protein S5 (RPS5) mRNA	NT P	ABU28942.1		===	10618	5488	302
Homo saniens mRNA for KIAA1019 protein, partial cds	N	AB028942.1	0	7.4	10617	5487	301
mRNA Homo saplens mRNA for KIAA1019 protein, partial cds	NT	4557029 NT	0	1.8	10607	5476	290
	NT	4557029 NT	0	1.8	10606	5476	290
Homo sapiens potassium inwardly-rectifying channel, subfamily J, member 15 (KCNJ15)	EST COMPANY	AW845293.1	0	0.9		5469	282
III 2-CT0031-181199-020-B03 CT0031 Homo saplens cDNA	NOT HIMAN			1.1	10599	5468	281
Homo sapiens DCRR1 mRNA, partial cds	N			1.1	10598	5468	281
TOTAL SAPIRATION PROPERTY OF THE PROPERTY OF T	2	7706028	0	0.9	10585	5 8	270
Homo sapiens 1-ceil lyilipirollia litresivii sire illino conince hyrothetical profein (LOC51250), mRNA	NT	4507500 NT	0	1.1	10583	5456	269
Homo sapiens 1-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	N	4507500 NT	0	1.1	10582	54.56 66	200
Homo saplens chromosome zi unkilomi ilivasi Homo saplens chromosome zi unkilomi ilivasi Homo saplens chromosome zi unkilomi ilivasi Homo saplens chromosome zi unkilomi ilivasi	NT	AF231919.1		2.3		5445	257
H. sapiens mr.N.A. for interieror approach towers the sapiens mr.N.A. for interieror approach towers the sapiens mr.N.A.	NT	X89772.1		1.5	10564	7437	340
Homo sapiens chromosome z i dinitomi ilino i dong form)	NT	AF231919.1		1.3	10561	Z 35	247
Homo sapiens childringson o 21 mknown mRNA	T	AL163201.2	0	2.2		230	240
Homo sapiens No. 1-associated Processing HS21C001	NT	3805	0	1.6	10555	5428	238
project=TCBA Homo sapiens cDNA clone TCBAP4466 project=TCBA Homo sapiens cDNA clone TCBAP4106	EST_HUMAN	BE246780.1	0	4.3	10538	5417	226
project=TCBA Homo sapiens cDNA clone TCBAP4466 TCB AD154466 Padjatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC	EST_HUMAN	BE246780.1	0 .	4.3	10537	5417	226
project=TCBA Homo sapiens cDNA clone TCBAP4466 TCRAP1E4466 Pediatric pre-B cell acute lymphobiastic leukemia Baylor-HGSC	EST_HUMAN	BE246780.1	0	4.3	10536	5417	226
project=TCBA Homo sapiens cDNA clone TCBAP4466 TCRAP1F4466 Padiatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC	EST_HUMAN	BE246780.1	0	1.4	10538	5417	225
project=TCBA Homo sapiens cDNA clone TCBAP4466 TCBAP154456 Pediatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC	EST_HUMAN	BE246780.1 E	0	1.4	10537	5417	225
project= TCBA Homo sapiens cDNA clone TCBAP4466 TCBAP4FAAF6 Padjatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC	EST_HUMAN	BE246780.1 E	0	1.4	10536	5417	225
project=TCBA Homo sapiens cDNA clone TCBAP4466  TCRAP1F4466 Pediatric pre-B cell acute lymphoblastic leukemia Baytor-HGSC	EST HUMAN	BE246780.1 E	0	1.2	10538	5417	224
TCBAP1E4466 Pediatric pre-b cell acute typinologici-TCBAP homo septiens cDNA clone TCBAP4466 projecti-TCBAP homo septiens cDNA clone TCBAP4466 projecti-TCBAP homo septiens cDNA clone TCBAP4466	EST_HUMAN	BE246780.1 E	0 B	1.2	10537	5417	224
The first of Brail acute lymphoblastic leukemia Baylor-HGSC							

I will adhars manaral gamma roodow . In west firm	Olar	400/0/0/N	,	e.'	10/30	U U U	4	_
Homo escience inferferon comme recentor 1 (JENGR1) mRNA	NT I	AF 183001.1	,		Τ	Т	425	_
Mile mileculius trincated SON potein (Son) mRNA, complete cds	NT .	AE402807 4	9	3 6	T	Т	124	_
Homo sapiens SON DNA binding protein (SON) mRNA	2 NT	4507152 NT	9	16	10794	T	2	_
Homo sapiens SON DNA binding protein (SON) mRNA	2 NT	4507152 NT	0	1.6	10723	╗	424	_
Homo sapiens mRNA for KIAA1019 protein, partial cds	NT NT	AB028942.1	0	0.8	10722	5590	423	_
Homo sapiens ribosomal protein S5 (RPS5) mRNA		4506728	0	0.9			422	_
yg09a02.r1 Soares infant brain 1NIB Homo sapiens cDNA clone IMAGE:31652 5	EST_HUMAN	R17795.1	0	1.3	10304		414	
Homo saplens ribosomal protein L19 (RPL19) mRNA	`	4506608 NT	0	15.0			400	
H.sapiens gene for RNA pol II largest subunit, exons 23-29	ST	X74870.1	0	0.8	10700		396	_
H.sapiens gene for RNA pol II largest subunit, exons 23-29	NT	X74870.1	0	0.8	66901		396	_
Homo saplens IgG Fc binding protein (FC(GAMMA)BP) mRNA	ONT	4503680 NT	0	0.9	10698		395	_
Homo sapiens IgG Fc binding protein (FC(GAMMA)BP) mRNA	ONT	4503680 NT	0	2.4	10697	5562	394	_
	ONT	4503680 NT	0	0.6	10696		393	_
	ONT	4503680 NT	0	0.6	10695	- 5561	393	_
	ONT	4503680 NT	0	1.2	10694		392	_
	ONT	4503680 NT	0	0.7	10693		391	_
	ONT	4503680 NT	0	0.7	10692		391	_
Homo sapiens IgG Fc binding protein (FC(GAMMA)BP) mRNA	ONT	4503680 NT	0	1.4	10691		390	
RC2-CT0320-300100-016-a09 CT0320 Homo saplens cDNA	EST_HUMAN	AW754180.1	0	3.4	10688	5556	387	_
	EST_HUMAN	AI363014.1	0	1.0	10721	5588	382	
Homo sapiens mRNA for KIAA1019 protein, partial cds	NT	AB028942.1	0	1.8	10720	╗	381	_
Human mRNA for KIAA0184 gene, partial cds	NT	D80006.1	0	0.5	10669	П	360	_
Human mRNA for KIAA0184 gene, partial cds	NT	D80006.1	0	1.4	10669	٦	359	
Homo sapiens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA	4 NT	4503854 NT	o ·	1.4	10668	5537	358	
Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	DINT	4507500 NT	0	0.9	10665	5535	356	_
Homo sapiens chromosome 21 unknown mRNA	N	AF231919.1	0	1.2	10663	7887	354	
Homo sapiens chromosome 21 unknown mRNA	I	AF231919.1	0	0.7	10662	5533	353	_
Homo sapiens chromosome 21 unknown mRNA	NT	AF231919.1	0	0.7	10661	П	353	_
Human zinc finger protein zfp31 (zf31) mRNA, partial cds	NT	U71600.1	0	0.8	10657	╗	348	
	7 NT	4827057	0	1.3	10652	П	345	_
Š	BINT	4505256	0	0.9	10648		342	$\overline{}$
Homo sapiens myeloidilymphoid or mixed-lineage leukernia (trithorax (Drosophila) nomolog): translocated to, 4 (MILT4) mRNA	NT	5174574 NT	0	1.3	10647		341	
Homo sapiens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	3 NT	7657213 NT	0	0.8	10635		326	
	3 NT	7657213 NT	0	1.4	10635	П	325	_
TRANSCRIPTION REGULATOR PROTEIN BACHT (BTB AND CNC HOMOLOG 1) (HA2303)	SWISSPROT	014867	0	0.9	10634	5507	324	
	SWISSPROT	014867	0	0.9	10633	5507	324	

1.0   0   A324262.1   EST   HUMAN   EST   IZOS4 Cerebellim in richinu subpensi 5680   10762   1.1   0   4504532   NT   Homo saplens 5-hydroxytyplamine (ser 5628   10763   1.1   0   4504532   NT   Homo saplens 5-hydroxytyplamine (ser 5632   10766   1.3   0   457887   NT   Homo saplens 6-hydroxytyplamine (ser 5632   10767   1.3   0   457887   NT   Homo saplens 6-hydroxytyplamine (ser 5632   10768   2.4   0   A163246.2   NT   Homo saplens 6-hydroxytyplamine (ser 5642   10768   2.4   0   A163246.2   NT   Homo saplens formonsoma 21 segmen 55490   10774   0.9   0   A8033035.1   NT   Homo saplens formonsoma 21 segmen 55490   10782   0.7   0   A2163246.2   NT   Homo saplens formonsoma 21 segmen 55490   10782   0.7   0   A2163246.2   NT   Homo saplens formonsoma 21 segmen 55490   10785   1.1   0   A1163219   EST_HUMAN   601274961F1 NIH_MCC_200-206 D170355   10785   1.1   0   A1163219   EST_HUMAN   601274961F1 NIH_MCC_200-206 D170355   10785   1.3   0   A163219   EST_HUMAN   601274961F1 NIH_MCC_200-206 D170355   10785   10785   10785   0.5   0   A2163219   NT   Homo saplens mapping to chomosoma 21 segmen 5662   10785   10785   0.5   0   A2163219   NT   Homo saplens mapping to chomosoma 21 segmen 5662   10785   10785   0.5   0   A2163219   NT   Homo saplens mapping to chomosoma 21 segmen 5662   10785   NT   Homo saplens mapping to chomosoma 21 segmen 5662   10785   NT   Homo saplens mapping to chomosoma 21 segmen 5662   10785   NT   Homo saplens mapping to chomosoma 21 segmen 5662   10785   NT   Homo saplens mapping to chomosoma 21 segmen 5662   10785   NT   Homo saplens mapping to chomosoma 21 segmen 5662   NT   Homo saplens promonosoma 21 segmen 566	ZibUCU 11 JOBIES LESUS INTIT TOTIO	EST_HUMAN	AA399486.1	0	1.3	10900	5778	P	٦
S600   1.0	HOTTO Sapietis tow delisity approximate	INNI	68069	0	0.9	10890	5770	612	7
5600   1.0   0.   A324/262.1   EST_HUMAN   EST1/1064 Cenachium in Prointo Sapleins 5-hydroxytypiamine (ser 5626 10753   1.1   0   BE254471.1   EST_HUMAN   BO11175051 NIH   MGC_16 Homo sapleins 5-hydroxytypiamine (ser 5626 10753   1.1   0   A594532   NT   Homo sapleins 5-hydroxytypiamine (ser 5626 10753   1.1   0   A594532   NT   Homo sapleins 5-hydroxytypiamine (ser 5626 10766   1.3   0   A594532   NT   Homo sapleins schromosome 21 segmen 5642   10768   2.4   0   AL163246.2   NT   Homo sapleins driormosome 21 segmen 5642   10768   2.4   0   AL163246.2   NT   Homo sapleins driormosome 21 segmen 5642   10768   2.4   0   AL163246.2   NT   Homo sapleins driormosome 21 segmen 5642   10768   0.9   0   AB033035.1   NT   Homo sapleins driormosome 21 segmen 5660   10774   0.9   0   AB033035.1   NT   Homo sapleins driormosome 21 segmen 5660   10778   0.9   0   AB033035.1   NT   Homo sapleins driormosome 21 segmen 5660   10768   0.6   0.7   0   AB033035.1   NT   Homo sapleins driormosome 21 segmen 5660   10768   0.6   0.8   0	Lamb continue density incorretein-related protein 2 (LRP2), mRNA	I N	68069	0	0.9	10889	5770	612	٦
5600   1.0   0   A324262.1   EST HIMAN   EST 27054 Censolation in troino saplens 5670   10782   1.1   0   B225447.1   EST HIMAN   B07111520F1 NIH   MGC, 16 Homo saplens 547droxytyplamine (set 5626   10783   1.1   0   A4504532   NT   Homo saplens 547droxytyplamine (set 5626   10783   1.1   0   A4504532   NT   Homo saplens 547droxytyplamine (set 5620   10780   1.3   0   A4504532   NT   Homo saplens seratin 18 (RRT18) mRN   5630   10767   0.8   0   A4163246.2   NT   Homo saplens diremesene 21 segment 5642   10768   2.4   0   A4163246.2   NT   Homo saplens diremesene 21 segment 5642   10768   2.4   0   A4163246.2   NT   Homo saplens diremesene 21 segment 5642   10768   2.4   0   A4163246.2   NT   Homo saplens diremesene 21 segment 5642   10768   1.1   0   A41763281.1   EST HUMAN   PMCDT0065-134000-02-206 D10065   5660   107782   0.7   0   BE081527.1   EST HUMAN   PMCDT0065-134000-02-206 D10065   5660   107782   1.3   0   A4163246.2   NT   Homo saplens diremesene 21 segment 5662   107786   1.1   0   A4163246.2   NT   Homo saplens diremesene 21 segment 5662   107785   1.3   0   A4163270.2   NT   Homo saplens diremesene 21 segment 5662   107785   1.3   0   A4163270.2   NT   Homo saplens diremesene 21 segment 5662   107785   1.3   0   A4163270.2   NT   Homo saplens diremesene 21 segment 5662   107785   1.3   0   A4163270.2   NT   Homo saplens diremesene 21 segment 5662   107785   1.3   0   A4163270.2   NT   Homo saplens diremesene 21 segment 56672   10795   1.3   0   A4163270.2   NT   Homo saplens diremesene 21 segment 56672   10795   1.3   0   A4163270.2   NT   Homo saplens guanine nucleotide bind 66772   10816   1.4   0   A4504036   NT   Homo saplens guanine nucleotide bind 6777   10827   0.6   0   A450324.1   EST_HUMAN   Homo saplens guanine nucleotide bind 6777   10827   0.6   0   A450324.1   EST_HUMAN   Homo saplens guanine nucleotide bind 6777   10828   1.1   0   A450324.1   EST_HUMAN   Homo saplens guanine nucleotide bind 6778   Homo saplens segment 6778   NT   Homo saplens segment 6778   NT   Homo saplens seg	nome sapiens low density lipoprotein related protein 2 (LRP2), mRNA	18 N I	68069	0	0.8	10888	5769	611	٦
1.0   0   A324/262.1   EST HUMAN   EST 27064 Censellulm I rollino salplens 5670   10762   1.1   0   BE254471.1   EST HUMAN   BOY1112520F1 NIH MGC, 16 Homo saplens 5626   10763   1.1   0   A504522   NIT   Homo saplens 5-hydroxytyplamine (sensellulm I rollino saplens 5-hydroxytypla	Trong sapiers low density illnonrotein-related protein 2 (LRP2), mRNA	INI	88088	°	0.8	10887	5769	611	٦
5608   1.0	Long earliene law density incorotein-related protein 2 (LRP2), mRNA	O NIT	68089	0	1.0	10886	5768	610	
5608   1.0   0   A.3424262.1   EST_HUMAN   EST ZOG4 Cerebellum in Point Septems 5,9301   0.9	Home sarions low density lipoprotein-related protein 2 (LRP2), mRNA		AF 148/13.1	c	1.4	10883	5765	607	
1.0   0   A232462.1   EST_HUMAN   EST.27054 Cerebealmin i Prolito saplems 5610   0.9   0   BE254447.1   EST_HUMAN   EST.27054 Cerebealmin i Prolito saplems 55610   0.9   0   BE254447.1   EST_HUMAN   EST.27054 Cerebealmin i Prolito saplems 55611   1.1   0   0   BE254447.1   EST_HUMAN   EST.27054 Cerebealmin i (Polito saplems 55621   1.1   0   A55452   NT   Homo saplems 55hydroxyftyplamine (set 5628   10753   1.1   0   A55457   NT   Homo saplems 65hydroxyftyplamine (set 5630   10760   1.3   0   A45546.2   NT   Homo saplems keralin 18 (RKRT18) mRN 5630   10760   2.4   0   A4163246.2   NT   Homo saplems keralin 18 (RKRT18) mRN 5630   10768   2.4   0   A4163246.2   NT   Homo saplems chromosome 21 segmet 5642   10769   2.4   0   A4163246.2   NT   Homo saplems chromosome 21 segmet 5642   10769   0.7   0   BE385144.1   EST_HUMAN   RMC-210055-130400-002-406 D170055   1.1   0   A4178233.1   NT   Homo saplems chromosome 21 segmet 5662   10774   0.9   0   A8033935.1   NT   Homo saplems chromosome 21 segmet 5662   10778   0.9   0   A4178233.1   NT   Homo saplems chromosome 21 segmet 5662   10765   1.3   0   A417823.1   NT   Homo saplems RMNA for KIAA1209 pro 17065   1.3   0   A417823.1   NT   Homo saplems Chromosome 21 segmet 5662   10765   1.3   0   A417823.1   NT   Homo saplems Chromosome 21 segmet 5662   10765   1.3   0   A417823.1   NT   Homo saplems Chromosome 21 segmet 5662   10765   1.3   0   A417823.1   NT   Homo saplems Chromosome 21 segmet 5662   10765   1.3   0   A417823.1   NT   Homo saplems Chromosome 21 segmet 5662   10765   1.3   0   A417823.1   NT   Homo saplems Chromosome 21 segmet 5662   10765   1.4   0   A8040909.1   NT   Homo saplems Chromosome 21 segmet 5662   10765   1.3   0   A4504036   NT   Homo saplems Chromosome 21 segmet 5662   10765   1.4   0   A4504036   NT   Homo saplems Chromosome 21 segmet 5662   NT   Homo sap	Homo saniens NOD1 protein (NOD1) gene, exons 1, 2, and 3	12	AF221/12.1	6	-1-1	10875	5756	598	
1.0   0   A232462.1   EST_HUMAN   EST.2054 Cerebellum in Prohito sephens 5-Nydroxyftyplamine (sep 5628   10752   1.1   0   459432   NT	Homo saniens Smad- and Olf-Interacting zinc finger protein mRNA, partial cds	1	AF221712.1	c	1.1	10874	5756	598	
1.0   0   AA324262.1   EST_HUMAN   EST_2054 Cerebellum in Promito selplems 5-hydroxy(byptamine) (see 5626   10752   1.1   0   459432   NT   Homo sapplems 5-hydroxy(byptamine) (see 5626   10753   1.1   0   459432   NT   Homo sapplems 5-hydroxy(byptamine) (see 5626   10753   1.1   0   459432   NT   Homo sapplems 5-hydroxy(byptamine) (see 5626   10753   1.1   0   459432   NT   Homo sapplems 6-radin 19 (KRT19) mRN   5630   10761   1.3   0   AL163246.2   NT   Homo sapplems keratin 18 (KRT19) mRN   5642   10768   2.4   0   AL163246.2   NT   Homo sapplems chromosome 21 segment   5642   10768   2.4   0   AL163246.2   NT   Homo sapplems chromosome 21 segment   5642   10768   2.4   0   AL163246.2   NT   Homo sapplems chromosome 21 segment   5642   10768   2.4   0   AL163246.2   NT   Homo sapplems chromosome 21 segment   5642   10768   2.4   0   AL163246.2   NT   Homo sapplems chromosome 21 segment   5660   10774   0.9   0   AL163214.1   EST_HUMAN   PMC-DT0065-130400-002-d6 DT0065   5662   10765   1.1   0   AL163210.2   NT   Homo saplems mRNA for KIAA1209 problem   56622   10768   1.3   0   AL163210.2   NT   Homo saplems branched problem   670326)   5663   10816   1.4   0   AB040909.1   NT   Homo saplems mRNA for KIAA1209 problem   56694   10816   1.4   0   AB040909.1   NT   Homo saplems mRNA for KIAA1476 problem   56694   10817   1.4   0   AB040909.1   NT   Homo saplems mRNA for KIAA1476 problem   670326   NT   Homo saplems mRNA for KIAA1476 problem   670326   NT   Homo saplems chromosome 21 segment   56694   10817   1.4   0   AB040909.1   NT   Homo saplems guanine nucleotide bind mRNA   NT   Homo saplems chromosome 21 segment   56694   10817   1.4   0   AB040908   NT   Homo saplems chromosome 21 segment   56694   10817   1.4   0   AF04036   NT   Homo saplems guanine nucleotide bind mRNA   S6694   10817   1.4   0   AF04036   NT   Homo saplems chromosome 21 segment   56694   10817   1.4   0   AF04036   NT   Homo saplems RGH1 gene, retrovirus-1   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4	Home saniens Smad- and Olf-interacting zinc finger protein mRNA, partial cds	17	10010		1.5	10868	5751	593	Г
1.0   0   AA324262.1   EST_HUMAN   ESTZ/054 Cerebellum i Fronto septens 5670   0.9	Homo sapiens acetyl-Coenzyme A carboxylase beta (ACACB), mRNA	NT	450196		1.0		5744	\$ \$	Γ
1.0   0   AA324262.1   EST_HUMAN   ESTZ/054 Cerebellum i Promo saplens 5670   0.9   0.9   0   BE25447.1   EST_HUMAN   ESTZ/054 Cerebellum i Promo saplens 5672   0.9   0   BE25447.1   EST_HUMAN   ESTZ/054 Cerebellum i Promo saplens 5492 Cerebellum i Promo saplens 5492 Cerebellum i Promo saplens 5492 Cerebellum i Promo saplens 5492 Cerebellum i Promo saplens 5492 Cerebellum i Promo saplens 5492 Cerebellum i Promo saplens 5492 Cerebellum i Rickettali 18 (KRT18) mRN 5630   10761   1.3   0   A457887 NT   Homo saplens keratin 18 (KRT18) mRN 5630   10761   1.3   0   AL163246.2   NT   Homo saplens chromosome 21 segmellum 5421   10768   2.4   0   AL163246.2   NT   Homo saplens chromosome 21 segmellum 5421   10768   2.4   0   AL163246.2   NT   Homo saplens chromosome 21 segmellum 5421   10768   2.4   0   AL163246.2   NT   Homo saplens chromosome 21 segmellum 5421   10768   2.4   0   AL163246.2   NT   Homo saplens chromosome 21 segmellum 5421   10768   2.1   0   AL163210.2   NT   Homo saplens prosent 21 segmellum 5622   10765   1.1   0   AL163210.2   NT   Homo saplens prosent 21 segmellum 5682   10768   1.3   0   AL163210.2   NT   Homo saplens prosent 21 segmellum 5683   10768   0.6   0   AL163210.2   NT   Homo saplens prosent 21 segmellum 5683   10768   0.7   0   BE081527.1   EST_HUMAN   PNO-DT0065-130400-002-c05 DT0055   5683   10765   1.3   0   AL163210.2   NT   Homo saplens prosent prosent 21 segmellum 5683   10768   0.7   0   BE081527.1   EST_HUMAN   Novel human gene mapping to chomos saplens sitromosome 21 segmellum 5682   107635   1.3   0   AL163210.2   NT   Homo saplens mRNA for KIAA1476 prosent 51 segmellum 5683   10768   1.3   0   AB040909.1   NT   Homo saplens guantine nucleotide bind 10   Homo saplens yearne prosent regions   107635   1.3   0   AB040909.1   NT   Homo saplens X-linked ambidrolide edto prosent segment seg	Human apolipoprotein A-I (ApoA-I) gene, exon 1	Z			0.8	JURSON	5/32	571	Γ
5609   1.0   0   AA324262.1   EST HUMAN   EST 27054 Cerebellum il riorino sapplens 5610   0.9   0   BE254447.1   EST HUMAN   601111520F1 NIH, MGC, 16 Homo sapplens 5426   10752   1.1   0   4504532   NT   Homo sapplens Shydroxytyptamine (set 5626   10753   1.1   0   4504532   NT   Homo sapplens Shydroxytyptamine (set 5626   10753   1.1   0   4504532   NT   Homo sapplens Keratin 18 (KRT18) mRN   5630   10761   1.3   0   AL163246.2   NT   Homo sapplens keratin 18 (KRT18) mRN   5642   10768   2.4   0   AL163246.2   NT   Homo sapplens keratin 18 (KRT18) mRN   5650   10774   0.9   0   AB033035.1   NT   Homo sapplens chromosome 21 segment   5642   10768   2.4   0   AL163246.2   NT   Homo sapplens chromosome 21 segment   5660   10782   0.7   0   BE385144.1   EST_HUMAN   801274951F1 NIH, MGC_20 Homo sapplens 5672   10795   1.1   0   AL163210.2   NT   Homo sapplens mRNA for KIAA1209 pto 5660   10785   1.3   0   AL163210.2   NT   Homo sapplens mRNA for KIAA1209 pto 5660   10812   1.2   0   AB04099.1   NT   Homo sapplens chromosome 21 segment   5693   10815   3.8   0   6006030   NT   Homo sapplens mRNA for KIAA1478 pto 5693   10816   1.4   0   AB04099.1   NT   Homo sapplens mRNA for KIAA1478 pto 5694   10817   1.4   0   AB04099.1   NT   Homo sapplens mRNA for KIAA1478 pto 5694   10817   1.4   0   AB04099.1   NT   Homo sapplens mRNA for KIAA1478 pto 5694   10817   1.4   0   AB04099.1   NT   Homo sapplens mRNA for KIAA1478 pto 5694   10817   1.4   0   AB04099.1   NT   Homo sapplens mRNA for KIAA1478 pto 5694   10817   1.4   0   AB04099.1   NT   Homo sapplens mRNA for KIAA1478 pto 5694   10817   1.4   0   AB04099.1   NT   Homo sapplens mRNA for KIAA1478 pto 5694   10817   1.4   0   AB04099.1   NT   Homo sapplens mRNA for KIAA1478 pto 5694   10817   1.4   0   AB04099.1   NT   Homo sapplens mascription elongation mRNA for KIAA1478 pto 5694   10817   1.4   0   AB04099.1   NT   Homo sapplens mascription elongation mRNA for KIAA1478 pto 5694   10817   1.4   0   AB04099.1   NT   Homo sapplens mascription elongation mRNA for KIAA1	(UQCRFS1), nuclear gene encoding mitochondrial protein, mRNA	N N	517474		2	0050		:	$\neg$
1.0   0   A324262.1   EST HUMAN   EST 127054 Cerebellium it normo sephens 5610   10752   1.1   0   4504532   NT   Homo sephens 5-hydroxyfyptamine (set 5626   10753   1.1   0   4504532   NT   Homo sephens 5-hydroxyfyptamine (set 5626   10753   1.1   0   4504532   NT   Homo sephens 5-hydroxyfyptamine (set 5626   10753   1.1   0   4557887   NT   Homo sephens S-hydroxyfyptamine (set 5630   10760   1.3   0   4557887   NT   Homo sephens seratin 18 (KRT18) mRN   5630   10761   1.3   0   A1163246.2   NT   Homo sephens keratin 18 (KRT19) mRN   5641   10769   2.4   0   A1163246.2   NT   Homo sephens chromosome 21 segment 5642   10769   2.4   0   A1163246.2   NT   Homo sephens chromosome 21 segment 5642   10769   2.7   0   BE385144.1   EST_HUMAN   601274951F1 NIH_MGC_ (30 Homo sephens chromosome 21 segment 5662   10778   0.9   0   AB033035.1   NT   Homo sephens chromosome 21 segment 5662   10785   1.1   0   AL117233.1   NT   Homo sephens chromosome 21 segment 5662   10785   1.3   0   AL163210.2   NT   Homo sephens chromosome 21 segment 5662   10785   1.3   0   AL163210.2   NT   Homo sephens chromosome 21 segment 5662   10785   1.3   0   AL163210.2   NT   Homo sephens chromosome 21 segment 5662   10785   1.3   0   AL163210.2   NT   Homo sephens chromosome 21 segment 5662   10785   1.3   0   AL163210.2   NT   Homo sephens chromosome 21 segment 5662   10785   1.3   0   AL163210.2   NT   Homo sephens chromosome 21 segment 5662   10785   1.3   0   AL163210.2   NT   Homo sephens chromosome 21 segment 5662   10785   1.3   0   AL163210.2   NT   Homo sephens chromosome 21 segment 5662   10785   1.3   0   AL163210.2   NT   Homo sephens chromosome 21 segment 5662   10815   3.8   0   AL163210.2   NT   Homo sephens chromosome 21 segment 5662   10815   3.8   0   AB04090.1   NT   Homo sephens chromosome 21 segment 5662   10815   3.8   0   AB04090.1   NT   Homo sephens guanine nucleotide bind mRNA   Homo sephens chromosome 21 segment 5663   10816   1.4   0   A504036   NT   Homo sephens chromosome 21 segment 5663   10816   1.4   0   A50	Homo sapiens Kurri gene, i eucende mo communitate Rieske iron-sulfur polypeptide 1	NT	D10083.1	0	1.1		5717	<del>2</del> 2	Т
1.0   0   AA324262.1   EST_HUMAN   EST_27054 Cerebellium in Politic September   1.0   0.9   0.	UI-H-BI1-acb-h-04-0-UI.s1 NCI_CGAP	EST_HUMAN	AW135324.1	0	0.6	10827	5707	544	1
1.0   0   AA324262.1   EST_HUMAN   EST_Z7054 Cereadellum it norms septems		N	AF003528.1	0	2.0	-	5699	536	
Second	sanians X-linked anhidroitic ect	6 NT	450403	0	1.4	10817	5694	530	
Se08   1.0   0   A324262.1   EST_HUMAN   EST 27054 Cerebellum it norm osuprem	sapiens guanine nucleotide bind							18	T
S608   1.0   0   AA324262.1   EST_HUMAN   ESTZ/054 Cerebellum it nomo salplens 5610   0.9   0   BE254447.1   EST_HUMAN   601111520F1 NIH_MGC_16 Homo sape 5626   10752   1.1   0   4504532   NIT   Homo saplens 5-hydroxytyptamline (se 5626 10753   1.1   0   457887   NIT   Homo saplens 5-hydroxytyptamline (se 5626 10766   1.3   0   4557887   NIT   Homo saplens keratin 18 (KRT18) mRN 5630   10761   1.3   0   4557887   NIT   Homo saplens keratin 18 (KRT18) mRN 5630   10761   1.3   0   AL163246.2   NIT   Homo saplens keratin 18 (KRT18) mRN 5642   10769   2.4   0   AL163246.2   NIT   Homo saplens chromosome 21 segment 5642   10769   2.4   0   AL163246.2   NIT   Homo saplens chromosome 21 segment 5650   10774   0.9   0   AB033035.1   NIT   Homo saplens chromosome 21 segment 5662   10763   1.1   0   AL163246.2   NIT   Homo saplens chromosome 21 segment 5662   10765   0.7   0   BE385144.1   EST_HUMAN   G01274951F1 NIH_MGC_20 Homo saplens 56700-002-056 D10055   1.3   0   AL163210.2   NIT   Homo saplens PC326 D10055   1.3   0   AL163210.2   NIT   Homo saplens PC326 D10055   1.3   0   AL163210.2   NIT   Homo saplens chromosome 21 segment 5672   10785   1.3   0   AL163210.2   NIT   Homo saplens chromosome 21 segment 5672   10785   1.3   0   AL163210.2   NIT   Homo saplens chromosome 21 segment 5672   10785   1.3   0   AL163210.2   NIT   Homo saplens chromosome 21 segment 5672   10785   1.3   0   AL163210.2   NIT   Homo saplens chromosome 21 segment 5672   10785   1.3   0   AL163210.2   NIT   Homo saplens chromosome 21 segment 5672   10785   1.3   0   AL163210.2   NIT   Homo saplens chromosome 21 segment 5672   10785   1.3   0   AL163210.2   NIT   Homo saplens chromosome 21 segment 5672   10785   1.3   0   AL163210.2   NIT   Homo saplens chromosome 21 segment 5672   10785   1.3   0   AL163210.2   NIT   Homo saplens mRNA for KIAA1476 pn 5690   10815   3.8   0   AB040909.1   NIT   Homo saplens mRNA for KIAA1476 pn 5690   10815   3.8   0   AB040909.1   NIT   Homo saplens transcription elongation 10815   10815   10815   10815	Sapial Saaima income	6 NT	450403	0	1.4	10816	5694	530 0	
5609         1.0         0         AA324262.1         EST_HUMAN         EST27054 Cerebelium it roino saplens           5610         0.9         0         BE254447.1         EST_HUMAN         601111520F1 NIH_MGC_16 Homo saplens           5628         10752         1.1         0         4504532         NT         Homo saplens 5-hydroxyfyptamine (see           5628         10753         1.1         0         457887         NT         Homo saplens keratin 18 (KR18) mRN           5630         10761         1.3         0         457887         NT         Homo saplens keratin 18 (KR18) mRN           5642         10768         2.4         0         AL163246.2         NT         Homo saplens chromosome 21 segment           5642         10769         2.4         0         AL163246.2         NT         Homo saplens chromosome 21 segment           5650         10774         0.9         0         AB033035.1         NT         Homo saplens chromosome 21 segment           5662         107785         1.1         0         AW938825.1         EST_HUMAN         601274951F1 NIH_MGC_206 D10065           5662         107786         0.5         0         AL163210.2         NT         Homo saplens chromosome 21 segment           5662	Homo sapiens transcription elongation industry (Special Problems 11 (Gg class) (GNA11)	NT	600603	0	3.8	10815	5693	529	
5609         1.0         0         AA324262.1         EST_HUMAN           5610         0.9         0         BE254447.1         EST_HUMAN           5628         10752         1.1         0         4504532         NT           5626         10753         1.1         0         4504532         NT           5630         10760         1.3         0         4557887         NT           5641         10767         0.8         0         AL163246.2         NT           5642         10768         2.4         0         AL163246.2         NT           5650         10774         0.9         0         AB033035.1         NT           5660         10782         0.7         0         BE385144.1         EST_HUMAN           7890         10785         1.1         0         AV938825.1         EST_HUMAN           5662         107786         0.6         0         AL163210.2         NT           5663         10785         1.1         0         AV938825.1         EST_HUMAN           5672         10795         1.3         0         AL163210.2         NT           5672         10795         1.3			ADO4Oaca. I		1.2	10812	5690	526	
5609         1.0         0         AA324262.1         EST_HUMAN           5610         0.9         0         BE254447.1         EST_HUMAN           5628         10752         1.1         0         4504532 NT         IT           5626         10753         1.1         0         4504532 NT         IT           5630         10760         1.3         0         457887 NT         IT           5641         10767         0.8         0         AL163246.2         NT           5642         10768         2.4         0         AL163246.2         NT           5650         10774         0.9         0         AB033035.1         NT           5660         10772         0.7         0         BE385144.1         EST_HUMAN           7890         10783         1.1         0         AV938825.1         EST_HUMAN           5662         10785         1.1         0         AL163210.2         NT           5672         10795         1.3         0         AL163210.2         NT	1	n	BEUBIOZ/.1	6	0.7	10789	7891	515	
5609         1.0         0         AA324262.1         EST_HUMAN           5610         0.9         0         BE254447.1         EST_HUMAN           5626         10752         1.1         0         A504532 NT           5626         10753         1.1         0         4504532 NT           5630         10760         1.3         0         457887 NT           5630         10761         1.3         0         457887 NT           5641         10767         0.8         0         AL163246.2         NT           5642         10768         2.4         0         AL163246.2         NT           5642         10769         2.4         0         AL163246.2         NT           5650         10774         0.9         0         AB033035.1         NT           5660         10782         0.7         0         BE385144.1         EST_HUMAN           5662         10785         1.1         0         AV938825.1         EST_HUMAN           5663         10786         0.6         0         AL17233.1         NT		4]	AL163210.2		1.3	10795	5672	508	П
5609         1.0         0         AA324262.1         EST_HUMAN           5610         0.9         0         BE254447.1         EST_HUMAN           5626         10752         1.1         0         4504532 NT           5626         10753         1.1         0         4504532 NT           5630         10760         1.3         0         457887 NT           5630         10761         1.3         0         457887 NT           5641         10767         0.8         0         AL163246.2         NT           5642         10768         2.4         0         AL163246.2         NT           5642         10769         2.4         0         AL163246.2         NT           5650         10774         0.9         0         AB033035.1         NT           5660         10782         0.7         0         BE385144.1         EST_HUMAN           5662         10785         1.1         0         AL117233.1         NT	Uses applies champsome 21 segment HS21C010	SNI	892395	0	0.6	10786	5663		
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5609         1.0         0         AA324262.1         EST_HUMAN           5610         0.9         0         BE254447.1         EST_HUMAN           5626         10752         1.1         0         4504532         NT           5626         10753         1.1         0         4504532         NT           5630         10760         1.3         0         4557887         NT           5630         10761         1.3         0         4557887         NT           5641         10767         0.8         0         AL163246.2         NT           5642         10768         2.4         0         AL163246.2         NT           5642         10769         2.4         0         AL163246.2         NT           5650         10774         0.9         0         AB033035.1         NT           5660         10792         0.7         0         BE385144.1         EST_HUMAN		EST_HUMAN	AW938825.1	0	1.1	10783	88	7	٦
5609         1.0         0         AA324262.1         EST_HUMAN           5610         0.9         0         BE254447.1         EST_HUMAN           5626         10752         1.1         0         4504532         NT           5626         10753         1.1         0         4504532         NT           5630         10760         1.3         0         4557887         NT           5630         10761         1.3         0         4557887         NT           5641         10767         0.8         0         AL163246.2         NT           5642         10768         2.4         0         AL163246.2         NT           5642         10769         2.4         0         AL163246.2         NT           5650         10774         0.9         0         AB033035.1         NT		EST_HUMAN	BE385144.1	0	0.7	10782	566	Т	1
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5609         1.0         0         AA324262.1         EST_HUMAN           5610         0.9         0         BE254447.1         EST_HUMAN           5626         10752         1.1         0         4504532         NT           5626         10753         1.1         0         4504532         NT           5630         10760         1.3         0         4557887         NT           5630         10761         1.3         0         4557887         NT           5641         10767         0.8         0         AL163246.2         NT           5642         10768         2.4         0         AL163246.2         NT	Homo sapiens chromosome 21 segment nozitore	NT	AL163246.2	0	2.4	10769	5642	Т	T
5609         1.0         0         AA324262.1         EST_HUMAN           5610         0.9         0         BE254447.1         EST_HUMAN           5626         10752         1.1         0         4504532         NT           5626         10753         1.1         0         4504532         NT           5630         10760         1.3         0         457887         NT           5630         10761         1.3         0         AL163246.2         NT	Homo sapiens chromosome 21 segment riva 1997	NT	AL163246.2	0	2.4	10768	5642	Т	T
5609         1.0         0         AA324262.1         EST_HUMAN           5610         0.9         0         BE254447.1         EST_HUMAN           5626         10752         1.1         0         4504532         NT           5626         10753         1.1         0         4504532         NT           5630         10760         1.3         0         4557887         NT           5630         10761         1.3         0         4557887         NT	Homo sapiens chromosome 21 segment HS21Ch46	3	AL163246.2	0	0.8	10767	5 <u>64</u>	Т	T
5609         1.0         0         AA324262.1         EST_HUMAN           5610         0.9         0         BE254447.1         EST_HUMAN           5626         10752         1.1         0         4504532         NT           5626         10753         1.1         0         4504532         NT           5630         10760         1.3         0         4587887         NT	Homo sapiens xeraun to (AXI to) mixes	NT	4557887	0	1.3	10761	5630	П	T
5609         1.0         0         AA324262.1         EST_HUMAN           5610         0.9         0         BE254447.1         EST_HUMAN           5626         10752         1.1         0         4504532 NT           5626         10753         1.1         0         4504532 NT	Homo sapiens Kerauri 10 (NO.110) IIII N. V.	IN	4557887	0	1.3	10760	5630		
5609 1.0 0 AA324262.1 EST_HUMAN 5610 0.9 0 BE254447.1 EST_HUMAN 5626 10752 1.1 0 4504532 NT	Homo sapiens 3-riyuroxyuybarinine (serowinin) 19075	NI	4504532	0	1.1	10753	5626	╗	
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5609 1.0 0 AA324262.1 EST_HUMAN ES127054 Cerebellum il nomo sapienis	L	ĮΞ	BE254447.1	·	0.9		5610	_	
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5918	5914	5905	5904			5898		5896	5893	5892	5892	5873	~5866	П		5851		5847	5837	5828	5823		5810	5810	٠. ١		7		5796		5786	5786		5782
11065	11061	11052	11051	11046	11045	11044	11043	11042	11039	11038	11037	11013	11003	11002	10996	10987	10986	10982	10970	10955	10951		10937	10936	10931	10930	10927	10923	10920		10908	10907		10904
1.0	0.5	0.8	1.2	0.8	1.1	0.8	0.5	0.5	2.4	1:1	1.1	0.6	1.3	1.3	1.5	2.6	2.6	6.6	0.7	1.5	1.6	1.0	1.4	1.4	0.7	0.7	1.4	1.1	1.0	1.1	1.1	1.1		2.2
°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0
7661965	AB011399.1	5032086	R48915.1	D30612.1	6912749	AB037760.1	J03764.1	J03764.1	AF170492.1	AF226990.2	AF226990.2	BE241577.1	AF264750.1	AF264750.1	5032192	M60675.1	M60675.1	AA614537.1	7657468 NT	AB029012.1	4504424 NT	X57147.1	4826947	4826947	AF108389.1	AF108389.1	U05235.1	5031624 NT	6006003 NT	4885526 NT	W78811.1	W78811.1		D11078.1
3	NT NT	NT	EST_HUMAN	ZT	NT	NT	NT T	NT	NT	N <sub>T</sub>	NT	EST_HUMAN	NT	NT	NT	N.T	NT	EST_HUMAN	NT	N	NT	NT	N		NT	NT	NT	NT	NT	NT	EST_HUMAN	EST_HUMAN		NT
Homo sapiens KIAA0170 gene product (KIAA0170), mRNA	Homo sapiens gene for AF-6, complete cds	Homo sapiens splicing factor 3a, subunit 1, 120kD (SF3A1), mRNA	y69g08.r1 Soares breast 2NbHBst Homo sapiens cDNA clone IMAGE:154046 5	Homo sapiens mRNA for repressor protein, partial cds	Homo sapiens zinc finger protein 212 (ZNF212), mRNA		Human, plasminogen activator inhibitor-1 gene, exons 2 to 9			Homo sapiens MHC class I antigen (HLA-G) mRNA, HLA-G1 allele, complete cds		TCAAP1D0779 Pediatric acute myelogenous leukemia cell (FAB M1) Baylor-HGSC project=TCAA Homo sapiens cDNA clone TCAAP0779	Homo sapiens ALR-like protein mRNA, partial cds	Homo sapiens ALR-like protein mRNA, partial cds		Human von Willebrand factor gene, exons 23 through 34	Human von Willebrand factor gene, exons 23 through 34	np49d01.s1 NCI_CGAP_Br1.1 Homo saplens cDNA clone IMAGE:1129633 3' similar to gb:X57352 INTERFERON-INDUCIBLE PROTEIN 1-8U (HUMAN);	Homo sapiens similar to rat integral membrane glycoprotein POM121 (POM121L1), mRNA	Homo sapiens mRNA for KIAA1089 protein, partial cds	Homo sapiens high-mobility group (nonhistone chromosomal) protein 1 (HMG1) mRNA	Human endogenous retrovirus pHE.1 (ERV9)	6	Homo sapiens protein kinase, X-linked (PRKX) mRNA	Homo sapiens sodium/calcium exchanger isoform NaCa3 (NCX1) mRNA, complete cds	Homo sapiens sodium/calcium exchanger isoform NaCa3 (NCX1) mRNA, complete cds	Human neutral amino acid transporter (ASCT1) gene, exon 8	Homo sapiens CCAAT-box-binding transcription factor (CBF2) mRNA	Homo sapiens glutamate receptor, ionotropic, N-methyl D-aspartate 28 (GRIN2B) mRNA	Homo saplens novel SH2-containing protein 3 (NSP3) mRNA	zh51b04.r1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA done IMAGE:415567 5' similar to gb:A21187 ALPHA-2-MACROGLOBULIN PRECURSOR (HUMAN);	(HUMAN);	zh51b04.r1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:415567 5' similar to gb:A21187 ALPHA-2-MACROGLOBULIN PRECURSOR	Homo sapiens RGH2 gene, retrovirus-like element

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1	200	Т	Т	Г	Г	6038	6028	6028	6021	5999	5999		5998	5993	5993	5982		5988	5987	5986	5985	5985		5974	5974	5971	5966		5961	5959	5958	5941			5936	5932		5927
	1120/	11200	11205			11197	11188	11187	11182	11159	11158	11157	11156	11155	11154	11153	11152	11149	11148	11147	11146	11145		11134	11133	11128	11123	11122	11116	11114	11113		11092	11086	11085	11081	11077	11076
	-	Ī	T	Γ	2.5	1.3	0.6	0.6		0.7	0.7	1.3	1.3	0.7	0.7	1.3	1.3	0.7	1.0		1.2	1.2	0.5	0.5	0.5	1.1	1.2	1.2		1.5	0.5	2.4	2.3	0.8				1.2
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100000.1			=	34958	4504958		BE089592.1			7657213 NT	7657213 NT	7657213	57213	AA533272.1	AA533272.1	AB020717.1	AB020717.1	4506728	AB028942.1	4507152	AB028942.1	AB028942.1	AF027153.1	4507500	4507500 NT	4503854 NT	AF108830.1	AF108830.1	4557686	7657213 NT	7657213 NT	4507500 NT	5174478	AB020717.1	AB020717.1	X89772.1	D80006.1	D80006.1
	141	N	N	N	S	NT	EST_HUMAN	н	NT	NT	T	NT	NT	EST HUMAN	EST_HUMAN	NT	NT	TN	TN	NT	ZT	NT	NT	NT	NT	NT	NT	TN	NT	NT	NT T	Y.	NT	NT	NT	NT	NT	NT
Province instruction from control of the control of	protein C inhibitor (human, leukocytes, Genomic, 1216 nt, segment 2 of 5)	protein C inhibitor (numan, leukocytes, Genoritic, 1210 in, segiment 2 of 5)	Homo sapiens alpha-1-antichymotypsin precursor, mRNA, partial cds	Homo sapiens laminin receptor 1 (67kD, ribosomal protein SA) (LAMR1), mRNA		Homo sapiens chromosome 21 segment HS21C003	QV0-BT0703-280400-211-g11 BT0703 Homo saplens cDNA	QV0-BT0703-280400-211-g11 BT0703 Homo saplens cDNA	Homo saplens chromosome 21 segment HS21C003	Homo sapiens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	Homo saplens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	Homo sapiens hormonally upregulated neu turnor-associated kinase (HUNK), mRNA	Homo saplens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	nj66d07.s1 NCI_CGAP_Pr10 Homo sapiens cDNA clone IMAGE:997453	nj66d07.s1 NCI_CGAP_Pr10 Homo sapiens cDNA clone IMAGE:997453	Homo saplens mRNA for KIAA0910 protein, partial cds	Homo saplens mRNA for KIAA0910 protein, partial cds	Homo saplens ribosomal protein S5 (RPS5) mRNA	Homo saplens mRNA for KIAA1019 protein, partial cds	Homo sapiens SON DNA binding protein (SON) mRNA	Homo saplens mRNA for KIAA1019 protein, partial cds	Homo sapiens mRNA for KIAA1019 protein, partial cds	Homo saplens sodium/myo-inositol cotransporter (SLC5A3) gene, complete cds	Homo saplens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	Homo saplens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	Homo saplens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA	Homo sapiens serine-threonine protein kinase (MNBH) mRNA, complete cds	Homo sapiens serine-threonine protein kinase (MNBH) mRNA, complete cds	Homo sapiens potassium voltage-gated channel, isk-related family, member 1 (KCNE1) mRNA	Homo sapiens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	Homo sapiens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	Homo sapiens pericentrin (PCNT) mRNA	Homo sapiens mRNA for KIAA0910 protein, partial cds				Human mRNA for KIAA0184 gene, partial cds

0 Z20656.1 NT 0 M37190.1 EST_HUMAN 0 AI001948.1 EST_HUMAN 0 M3868.1 NT 0 U83688.1 NT 0 U83688.1 NT 0 M43182.1 EST_HUMAN			,	300	44340	Т	
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0   720656.1   NT	Homo sapier	4758569 NT	0	0.8	11324	6171	1031
0 Z20556.1 NT Homo sapiens of cardiac alpha-myosit on M37190.1 NT Human ras inhibitor mRNA, 3' end on M37190.1 NT Human ras inhibitor mRNA, 3' end on M37190.1 NT Human ras inhibitor mRNA, 3' end on M37190.1 NT Homo sapiens thyrotrophic embryonic ossessos si NCI_CGAP_GC3 Homo sapiens thyrotrophic embryonic ossessos si NCI_CGAP_GC3 Homo sapiens thyrotrophic embryonic ossessos si NCI_CGAP_GC3 Homo sapiens thyrotrophic embryonic ossessos si NCI_CGAP_GC3 Homo sapiens thyrotrophic embryonic ossessos si NCI_CGAP_GC3 Homo sapiens si NCI_CAP_GC3 Homo sapiens si NCI_CGAP_GC3 Homo sapiens si NCI_CGAP	Homo saplei	8922933 NT	0	1.5		6157	1017
O ZZ0656.1 NT Homo saplens of cardiac alpha-myosir of M37190.1 NT Human ras inhibitor mRNA, 3' end O M37190.1 NT Human ras inhibitor mRNA, 3' end O M37190.1 NT Human ras inhibitor mRNA, 3' end O M37190.1 NT Human ras inhibitor mRNA, 3' end O M37190.1 NT Human ras inhibitor mRNA, 3' end O M37190.1 NT Homo saplens thyrotrophic embryonic observation of M37190.1 NT Homo saplens thyrotrophic embryonic observation of M37190.1 NT Homo saplens partial c-fig gene, exon O M32207.1 NT Homo saplens partial c-fig gene, exon O M32688.1 NT Homo saplens partial c-fig gene, exon O M33688.1 NT Homo saplens partial c-fig gene, exon O M33688.1 NT Homo saplens chromodomain protein, O M35688.1 NT Homo saplens 14932 Jagged2 gene, co O M33688.1 NT Homo saplens 14932 Jagged2 gene, co O M33688.1 NT Homo saplens 14932 Jagged2 gene, co O M33688.1 NT Homo saplens 14932 Jagged2 gene, co O M33688.1 NT Homo saplens 14932 Jagged2 gene, co O M33685 NT Homo saplens 14932 Jagged2 gene, co O M33685 NT Homo saplens 14932 Jagged2 gene, co O M33680.1 EST_HUMAN EST51124 WATM1 Homo saplens cDN O N43182.1 EST_HUMAN FOLYMERASE II (alignment Ser and O M3182.1 EST_HUMAN FO	Homo sapie	4759249 NT	0	1.0	11309	6153	1013
O ZZ0656.1 NT Homo saplens of cardiac alpha-myosin of M37190.1 NT Human ras inhibitor mRNA, 3' end o M37190.1 NT Human ras inhibitor mRNA, 3' end o M37190.1 NT Human ras inhibitor mRNA, 3' end o M37190.1 NT Human ras inhibitor mRNA, 3' end o M37190.1 NT Human ras inhibitor mRNA, 3' end o M37190.1 NT Homo saplens thyrotrophic embryonic o A1001948.1 EST_HUMAN css96e03.s1 NCI_CGAP_GC3 Homo s o A1001948.1 EST_HUMAN css96e03.s1 NCI_CGAP_GC3 Homo s o A1001948.1 EST_HUMAN css96e03.s1 NCI_CGAP_GC3 Homo s o CS2207.1 NT Homo saplens KIAA0928 protein Msx or A1001948.1 EST_HUMAN css96e03.s1 NCI_CGAP_GC3 Homo s o CS2207.1 NT Homo saplens partial origr gene, exon o X52207.1 NT Homo saplens partial origr gene, exon o X52207.1 NT Homo saplens chromodomain protein, o U83668.1 NT Human beta-ubulin (TUB4q) gene, co O U83668.1 NT Human beta-ubulin (TUB4q) gene, co O U83668.1 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O Secondario della rella 9310 AA458680.1 EST_HUMAN Similar to SW:PRS8_HUMAN P47210 EST_HUMAN Similar to SW:PRS8_HUMAN P47210 EST_HUMAN POLYMERASE II (alignment Ser and I EST_HUMAN POLYMERASE II (alignment Ser and I POLYMERASE II (alignment Ser and I POLYMERASE II (alignment Ser and I POLYMERASE II (alignment Ser and I POLYMERASE II (alignment Ser and I POLYMERASE II (alignment Ser and I POLYMERASE II (alignment Ser and I POLYMERASE II (alignment Ser and I POLYMERASE II (alignment Ser and I POLYMERASE II (alignment Ser and I POLYMERASE II (alignment Ser and I POLYMERASE II (alignment Ser and I POLYMERASE II PARASE II PARASE II PARASE II PARASE II PARASE II PARASE	Homo saple	4759249 NT	0	1.0	11308	6153	1013
0 Z20656,1 NT Homo saplens of cardiac alpha-myosin M37190.1 NT Human ras inhibitor mRNA, 3' end M37190.1 NT Human ras inhibitor mRNA, 3' end M37190.1 NT Human ras inhibitor mRNA, 3' end M37190.1 NT Human ras inhibitor mRNA, 3' end M37190.1 NT Homo saplens thyrotrophic embryonic 4507430 NT Homo saplens thyrotrophic embryonic M37190.1 NT Homo saplens thyrotrophic embryonic on A1001948.1 EST_HUMAN cs98e03.s1 NCI_CGAP_GC3 Homo saplens thyrotrophic embryonic on A52207.1 NT Homo saplens partial c-fgr gene, exon 0 X52207.1 NT Homo saplens partial c-fgr gene, exon 0 X52207.1 NT Homo saplens partial c-fgr gene, exon 0 V83688.1 NT Homo saplens chromodomain protein, 0 U83688.1 NT Homo saplens 14q32 Jagged2 gene, co 0 V83868.1 NT Homo saplens 14q32 Jagged2 gene, co 0 AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co 0 AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co 0 AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co 0 AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co 0 AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co 0 AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co 0 AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co 0 AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co 0 AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co 0 Saplens 14q32 Jagged	HUMAN		0	1.0	11307	6152	1012
O Z20656.1 NT Homo saplens of cardiac alpha-myosis N37190.1 NT Human ras inhibitor mRNA, 3' end N37190.1 NT Human ras inhibitor mRNA, 3' end N37190.1 NT Human ras inhibitor mRNA, 3' end N37190.1 NT Human ras inhibitor mRNA, 3' end Human ras inhibitor mRNA, 3' end N37190.1 NT Human ras inhibitor mRNA, 3' end Human ras inhibitor mRNA, 3' end N37190.1 NT Homo saplens thyrotrophic embryonic os98e03.s1 NCI CGAP_GC3 Homo s Os98e03.s1 NCI CGAP_GC3 Homo s Os98e03.s1 NCI CGAP_GC3 Homo s NT Homo saplens kiAA0929 protein Msx Os52207.1 NT Homo saplens kiAA0929 protein Msx Os52207.1 NT Homo saplens partial c-fgr gene, exon NT Homo saplens partial c-fgr gene, exon NT Homo saplens chromodomain protein, Human beta-tubulin (TUB4q) gene, con NS3688.1 NT Human beta-tubulin (TUB4q) gene, con NS3688.1 NT Homo saplens 14q32 Jagged2 gene, con NS3688.1 NT Homo saplens 14q32 Jagged2 gene, con NS3688.1 NT Homo saplens 14q32 Jagged2 gene, con NS4711770.3 NT Homo saplens 14q32 Jagged2 gene, con NS6711770.3 NT Homo sapl			o ·	1.0	11306	6152	1012
O Z20656,1 NT Homo saplens of cardiac alpha-myosir O M37190.1 NT Human ras inhibitor mRNA, 3' end O M37190.1 NT Human ras inhibitor mRNA, 3' end O M37190.1 NT Human ras inhibitor mRNA, 3' end O M37190.1 NT Human ras inhibitor mRNA, 3' end O M37190.1 NT Human ras inhibitor mRNA, 3' end O M37190.1 NT Homo saplens thyrotrophic embryonic O A1001948.1 EST_HUMAN os98e03.s1 NCI_CGAP_GC3 Homo s O A1001948.1 EST_HUMAN os98e03.s1 NCI_CGAP_GC3 Homo s O X52207.1 NT Homo saplens kiAA0929 protein Msx O X52207.1 NT Homo saplens partial c-fgr gene, exon O X52207.1 NT Homo saplens partial c-fgr gene, exon O U83668.1 NT Homo saplens chromodomain protein, O U83668.1 NT Human beta-tubulin (TUB40) gene, co O U83668.1 NT Human beta-tubulin (TUB40) gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O AF111170.3 NT Homo saplens 14q32 Jagged2 gene, co O S803114 NT Homo saplens 14q32 Jagged2 gene, co			0	0.7		6149	1009
0 Z20656.1 NT 0 M37190.1 NT 0 A507430 NT 0 A1001948.1 EST_HUMAN 0 A1001948.1 EST_HUMAN 0 A52207.1 NT 0 X52207.1 NT 0 U83668.1 NT 0 U83688.1 NT 0 U83688.1 NT 0 AF111170.3 NT 0 AF111170.3 NT 0 AF111170.3 NT	Homo saple		0	0.9	11301	6147	1007
0 Z20656.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 A507430 NT 0 A1001948.1 EST_HUMAN 0 A1001948.1 EST_HUMAN 0 A1001948.1 NT 0 X52207.1 NT 0 X52207.1 NT 0 U8368.1 NT 0 U8368.1 NT 0 U8368.1 NT 0 AF111170.3 NT	Homo sapiei		0	0.8	11297	6143	1003
0 Z20656.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 A507430 NT 0 A1001948.1 EST_HUMAN 0 A1001948.1 EST_HUMAN 0 A1001948.1 NT 0 X52207.1 NT 0 X52207.1 NT 0 U83688.1 NT 0 U83688.1 NT 0 U83688.1 NT 0 AF111170.3 NT	Homo sapier		0	0.8	11294		1000
0 Z20656.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 4507430 NT 0 A1001948.1 EST_HUMAN 0 A1001948.1 EST_HUMAN 0 A252207.1 NT 0 X52207.1 NT 0 X52207.1 NT 0 U83688.1 NT 0 U83688.1 NT 0 U83688.1 NT 0 AF111170.3 NT	Homo sapiei		0	9.0	11293	7	999
0 Z20656.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 A507430 NT 0 A1001948.1 EST_HUMAN 0 A1001948.1 EST_HUMAN 0 X52207.1 NT 0 X52207.1 NT 0 U83688.1 NT 0 U83688.1 NT 0 U83688.1 NT	Homo sapler		0	1.4	11293		998
0 Z20656.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 A507430 NT 0 A1001948.1 EST_HUMAN 0 A1001948.1 EST_HUMAN 0 A1001948.1 NT 0 X52207.1 NT 0 X52207.1 NT 0 U8368.1 NT 0 U83688.1 NT	Homo sapiei		0	0.8	11293	6139	997
0 Z20656.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 A507430 NT 0 A1001948.1 EST_HUMAN 0 A1001948.1 EST_HUMAN 0 T657266 NT 0 X52207.1 NT 0 U83688.1 NT	Human beta		0	2.3	11288	6133	98
0 Z20656.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 4507430 NT 0 A1001948.1 EST_HUMAN 0 A1001948.1 EST_HUMAN 0 T657266 NT 0 X52207.1 NT 0 X52207.1 NT 0 U83668.1 NT	Human beta		0	2.6	11288	6133	989
0 Z20656.1 NT	Human beta	1	0		11287	6132	988
0 Z20656.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 4507430 NT 0 A1001948.1 EST_HUMAN 0 A1001948.1 EST_HUMAN 0 T657266 NT 0 X52207.1 NT	Homo sapie	.4757989 NT	0	1.3	11279	6122	977
0 Z20656.1 NT	Homo sapler		0	1.3	11272	6113	988
0 Z20656.1 NT 0 M37190.1 NT 0	Homo saple:		0	1.3	11271	·· 6113	968
0 Z20656.1 NT 1 0 M37190.1 NT 1 0 M37190.1 NT 1 0 M37190.1 NT 1 0 M37190.1 NT 1 0 4507430 NT 1 0 A1001948.1 EST_HUMAN 0	Homo sapleı (KIAA0929),	7657266 NT	0	2.5	11252	6094	948
0 Z20656.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 4507430 NT 0 4507430 NT 0 A1001948.1 EST_HUMAN	HUMAN		0	8.0	11250	7903	946
0 Z20656.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 M37190.1 NT 0 4507430 NT 0 4507430 NT	HUMAN		0	8.0	11249	7903	946
0         Z20656.1         NT         Homo saplens of cardiac alpha-myosir           0         M37190.1         NT         Human ras inhibitor mRNA, 3' end           0         M37190.1         NT         Human ras inhibitor mRNA, 3' end           0         M37190.1         NT         Human ras inhibitor mRNA, 3' end           0         M37190.1         NT         Homo saplens thyrotrophic embryonic	L	4507430 NT	0	0.7	11242	6085	938
0 Z20656.1 NT Homo saplens of cardiac alpha-myosir 0 M37190.1 NT Human ras inhibitor mRNA, 3' end 0 M37190.1 NT Human ras inhibitor mRNA, 3' end 0 M37190.1 NT Human ras inhibitor mRNA, 3' end	Homo sapler	4507430 NT	0	0.7	11241	6085	938
0 Z20656.1 NT 0 M37190.1 NT 0 M37190.1 NT	Human ras li		0	18.0	11240	6084	937
0 Z20656.1 NT 0 M37190.1 NT	Human ras ir		0	4.5	11239	6083	936
0 Z20656.1 NT	Human ras li		0	12.0	11238	6082	935
	Homo sapler		0	57.0	11215	6056	910
0 Z20656.1 NT	Homo sapler	Z20656.1 NT	0	57.0	11214	7	910
0 Z20656.1 NT	Homo sapler		٥	36.0	11213	Т	909
) 0 Z20656.1 NT	Homo sapier		0	36.0	11212	П	998
0.7 0   L28101.1   NT   Homo sapiens kallistatin (PI4) gene, exons 1-4, complete cds	Homo sapier		0	0.7	11209	6052	906

				1:1		4	121	-
Homo sapiens Wolfram syndrome (WFS) mr.wA	5174748 NT		٥	22	Ţ	$\mathbf{L}$		Т
Homo sapiens micha lor nicon promis, perser see	40.1 NT	AB040940.1	0	0.6		Т	1388	Т
PONIO sabiena mayor ser servicio partial ode		AB040940.1	0	0.6	11554	П	1266	Т
cds		AF084479.1	0	1.3	11550	6389	1260	
Homo sapiens Williams-Beuren syndrome deletion transcript 9 (Wosche) illi was, compress		-	1			200	1200	Т
Homo sapiens ribos chair protein 32 (KP32) illinux	4506718 NT			16.0	11541	2383	1353	Т
Homo sapiens NF2 gene	NT	Y18000.1	0	1.5		6374	1245	7
Homo sapiens chondroitin sulfate proteoglycan 4 (melanoma-associatio) (Car Ga), Illinanoma-associatio)	4503098 NT		0	ည်	11521	6357	1227	
FIGURE Sapisito Caronicos Control (Capa) mana	18.1	AF109718.1	0	3.6	11520	6356	1226	7
-		AF264750.1	0	1.0	11497	7909	1208	7
	L	AF264750.1	0	1.3	11496	6339	1207	7
Homo saniene Al Ruike protein mRNA, partial cds		AF264750.1	0	1.1	11495	6338	1206	7
		AF264750.1	0	1.1	11494	6338	1206	Т
TOURIO Salparia mark (c. con) marka partial cds.	5/336	_	o	1.1		6323	1191	1
TUTIO Sapisita Normalia (N. 143), MRNA			0	1.0	11452	6296	1161	٦
TURNO Captions (captions (KRT18) mRNA		AB037835.1	0	0.5	11443	6289	12	٦
mRNA	7305076 NT		0	0.8	11441	6287	1152	
sapiens giutamate decarboxylas								Т
mRNA	7305076 NT		0	0.8	11440	6287	1152	
Homo saplens glutamate decarboxylase 1 (brain, 67kD) (GAD1), transcript variant GAD25,	0.1	AB020710.1	0	1.4	11419	6267	1131	П
qbzzq10.x1 soares_bregriani,_ucius_r		AI147650.1	0	1.0	11417	6265	1129	-
which it is a like in the sapiens cDNA clone IMAGE:1697011 31			ļ	1.0	11410	\$020	1128	Γ
Homo sapiens Npw38-binding protein Npw8P (LOC51729), mRNA	7706500 NT	$\dagger$		10.	11413	8261	1124	Τ
	7657468 NT		>	2				1
DOMAN (DOMAN IN DRING	7657468 NT		0	0.7	11412	6261	1124	
Homo saplens similar to rat integral membrane glycoprotein POM121 (POM121L1), mRNA							1.00	T
Homo sapiens DNA for Human P2XM, complete cus	9.1 NT	AB002059.1	0	-	11411	3	1132	T
Homo sapiens DNA for Human P2XM, complete cus	9.1 NT	AB002059.1	0	3.5	11410	3	1 2	T
Homo sapiens hypothetical protein FLJ20309 (FLJ20309), IIINING	8923290 NT		0	0.9	11408	35	1110	T
Homo sapiens ribosomal protein SZ/a (XFSZ/S) IIINES	4506712 NT		0	9	11406	202	11.5	T
Homo sapiens protein kinase, A-linked (F NX) III NX	4826947 NT		0	=	11405	R253	1118	T
-	4826947 NT		0	=	1 2 2	6253	1116	T
Homo sapielis polassium chiamon community in mana	7706134 NI		0	1.3	11394	6241		T
Homo sapiens polassium channel subfamily X member 9 (KCNK9), mRNA	7706134 NT		0	1.3	11393	6241	1100	T
L	8.1 EST_HUMAN	BE005208.1	0	1.2	11369	6218	1 080	٦
Homo sapiens Deau associated Process	58117 NT		0	1.2	11359	62Q	1066	Т
	5174384 NT		0	1.1	11350	6197	1058	Т
Homo sapiens hypothetical province and provi	8923087 NT		0	0.9		6195	1056	٦
1. 120080) mRNA								

1.3 0 MOUD/O.1 NI
0 MS0876 4
0 M60676.1
0 Y07829.2
0 7661865
0 7661965
1.8 0 6912457 NT
1.2 0 D87077.1 NT
1.0 0 AL137764.1 NT
1.1 0 AL132999.1 NT
1.0 0 JU35637.1 NT
1.0 0 U35637.1 NT
3.5 0 4507720 NT
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1.3 0 AF038280.1 NT
1.9 0 AJ238083.1 NT
0.9 0 7705565 NT
_
0.5 0 4505646 NT
0.5 0 4505646 NT
3.0 0 6042206 NT
1.0 0 AI208756.1 EST_HUMAN
3.3 0 AJ277892.1 NT
0.9 0 AJ250014.1 NT
1.4 0 M14123.1 NT
1.4 0 8567387 NT
1.4 0 8567387 NT
1.6 0 7661965 NT
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AB01114
0.8 0 4508004 NT
0.6 0 5803146 NT
1.1 0 7657529 NT
1.1 0 7657529 NT
0.9 0 AF096156.1 NT
2.2 0 5174748 NT
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0700	6781		$\neg$	П	ī	П	6771	8717			$\neg$	T	7	Т	Т	6690	Т	T		6668	6688	6658	7919	6657	6657	230 230	6649	6648	6847	6647	6646	8 1	8	200	RRAD
11000	11855				11947		11942	11887				1	٦	T	Т	Т	I				11838	11825		11824	11823	11821		11817	11816	11815		21811	1008	11800	11808
	1.1	0.9	1.2	0.6	0.6	1.2	1 .3	1.7	0.9	5.1	5.1	T				T									2.1	1.8	3.0	1.1	3.9	3.9	0.7	1.0	100	43	43
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-		5	0
C3004	4557610 NT	7657065	4557887	M29580.1	M29580.1	AF057177.1	AI768104.1	H26973.1	M91803.1	5729876	5729876	7662183 NT	7662183 NT	AF157476.1	AB040905.1	5921460 NT	5921460 NT	Z83738.1	4503098 NT	4507720 NT	4507720 NT	M14199.1	4506654 NT	4507720 NT	4507720 NT	M98478.1	7656972 NT	7662405 NT	4505404 NT	4505404 NT	U78027.1	0.0004.	TANRA 4	AF023860.1	AF023860.1
EST HUMAN	ONT	SNT	ZNT	Z	Z	N,	EST_HUMAN	EST_HUMAN	NT		5 NT	3 NT	3 NT	NT	NT	NT	INT	NT	NT T	NT	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	TN		NT	S	TN
gb:M64099 GAMMA-GLUTAMYLTRANSPEPTIDASE 5 PRECURSOR (HUMAN);	Homo saplens gamma-aminobutyric add (GABA) A receptor, gamma 2 (GABRG2) mKNA	Homo sapiens v-ets avan elyunopiasosis viius Ezo cricogorio como (1)	Homo sapiens keraun 16 (ANT 16) Illinux	Human zinc-linger protein / (ZFF/) linkvo, will please was	Human zinc-linger protein / (AFF/) IIINNA, Willpiew WS	Homo sapiens I-cell receptor gamina V I gene region			Human sodium channel mkrva	/ protei	Homo sapiens heat shock / UKU protein 10 (HSC/1) (HSCA10) mRNA				Homo saplens mRNA for KIAA1472 protein, partial COS		ilin, subfamily a		Homo saplens chondroitin sulfate proteoglycan 4 (melanoma-associated) (CSPG4), mRNA	Homo sapiens uun (IIN) mknx	Homo sapiens titin (TTN) mKNA	Human laminin receptor (2H5 epitope) mKNA, 5' end			Homo sapiens titin (TTN) mRNA	Human transglutaminase mRNA, complete cds	Homo sapiens TNF-Inducible protein CG12-1 (CG12-1), ITKNA	Homo sapiens KIAA0957 protein (KIAA0957), MKNA	Homo saplens transmembrane glycoprotein (GPNMb) ITIKNA	Homo sapiens transmembrane glycoprotein (Grywio) Illinio		Homo sapiens Bruton's tyrosine kinase (BTK), alpha-D-galactosidase A (GLA), L44-like	Boyine mRNA for neurocalcin	Cercopithecus aethlops cyclophilin A mRNA, complete cds	Cercopithecus aethiops cyclophilin A mRNA, complete cds

Inuman reunal degeneration slow (NDO) gene, exon r	Z	U07147.1	°	1.6	12111	6924	1805	
Human retinal degeneration slow (KLO) gene, exon	N	U07147.1	0	1.6	12110		1805	
(KCNB1) mRNA	3 NT	4826783 NT	0	1.2	12109	6923	1804	
Homo sapiens potassium voitage-gated channel, Shab-related subtamily, member (KCNB1) mRNA	3 NT	4826783 NT	0	1.2	12108	6923	1804	
Homo sapiens Retina-derived POU-domain factor-1 (RPF-1), mKNA	5 NT	6005855	0	3.7	12099	6913	1793	
Homo sapiens Retina-derived POU-domain factor-1 (RPF-1), mKNA	5 NT	6005855 NT	0	3.7	12098	6913	1793	
products	NT .	4504626 NT	0	1.0	12091	6902	1781	
Homo sapiens immunoglobin supernamily, member 3 (IGSF3) mRNA and translated	NT	4504626 NT	0	1.0	12090	6902	1781	
MRNA  MRNA  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	N N	4502264 NT	0	1.6	12076	·:: 6889	1768	
	NT	4502264 NT	0	1.6	12075	6889	1768	
	N	4502264 NT	0	1.6	12074	6889	1768	
	N	AB002331.1	0	1.7	12073	6888	1767	_
Human ribosomal protein L21 mRNA, complete cds	3	U14967.1	0	2.6	12070	6886	1765	
Homo sapiens nuclear autoantigenic sperm protein (histone-binding) (NASP) TIKNA	TN	4505332	0	1.4	12057	7926	1755	
zd66g09.r1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA done IMAGE:345664 5'	EST_HUMAN	W76571.1	0	1.1		6876	1754	<del></del>
Human CSF-1 receptor (FMS) gene, complete cds, and (SMF) gene, partial cds	NT	U63963.1	0	1.2	12053	8873	1751	
Homo sapiens E1A binding protein p300 (EP300) mRNA	NT	4557556	0	0.9	12050	8871	1749	-
Homo sapiens E1A binding protein p300 (EP300) mRNA	NT	4557556 NT	0	0.9	12049	6871	1749	-
Homo saplens ribosomal protein S2 (RPS2) mRNA	NT	4506718 NT	٥	5.0		7925	1745	_
TCR zeta [human, Genomic/mRNA, 365 nt, segment 1 of 8]	NT	S94400.1		0.9		88 1	1687	-
Homo sapiens WAVE2 mRNA for WASP-family protein, complete cds	NT .	AB026542.1	0	0.9	11992	88	1685	_
Homo sapiens RNA binding motif protein, Y chromosome, ramily 1, member A: (New 1401)	NT	4826973 NT	0	0.5	11985	6804	1680	
Human hepatocyte growth factor gene, exon 15	NT	M75980.1	0	1.0	11981	6801	1677	_
Human hepatocyte growth factor gene, exon 15	NT	M75980.1	0	1.0	11980	6801	1677	_,
Homo sapiens FOXJ2 forkhead factor (LOC55810), mRNA	NT	8923841	0	1.6	11974	6796	1672	-
	NT	5031748 NT	0	2.8		6788	1664	
H.sapiens H2B/h gene	NT	Z80780.1	0	1.2	11862	6785	1661	_
H.sapiens H2B/h gene	NT	Z80780.1	0	1.2	11961	6785	1661	_
yo59e08.r1 Soares breast 3NbH8st Homo sapiens GUNA Gone INVASE: 102240 3 SITTING NO 100 100 100 100 100 100 100 100 100 10	EST HUMAN	Н30132.1	0	i	11959	6783	1659	
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	AW193024.1	0	1.3		╗	1945
	M33782.1	0	0.7	12253	$\neg$	1943
	M33782.1	0	0.7	12252	$\neg$	1943
	AB018333.1	0	1.2	12248	П	1937
	AB018333.1	0	1.2	12247	7	1937
Homo sapiens actinin, alpha 4	4826638 NT	0	2.9	12235	Т	1927
	4826638 NT	0	2.9	12234	П	1927
Homo sapiens nebulin (NEB), n	8400716 NT	0	1.2	12233	Т	1926
NT Homo sapiens nebulin (NEB),	8400716	0	1.2	12232	П	1926
NT Homo saplens chromosome 21 segment HSZ1CU5Z	AL163252.2	0	1.1		П	1924
NT	4809282	0	0.7	12218	П	1913
NT	4809282	0	0.7	12217	Т	1913
NT	5901905	0	0.9	12210	Т	1905
	M55632.1	0	0.7		Т	1903
	4507464 NT	0	0.8	12202	Т	1895
	4507464 NT	٥	8.0	12201	Т	1805
NT Human transglutaminase mRNA, complete cds	M98478.1	٥	1.5	12194	Т	1890
	M98478.1	0	1.5	12193	7929	1890
NT Homo sapiens DNA polymeras	AE157478 1	3	-:	<u> </u>	Т	1001
NT Homo sapiens RAD1 (S. pomb	450000		3 6	12103	8669	1881
NT Homo sapiens RAD1 (S. pomb	4505384	3	3 6	7,100	Т	1852
$\perp$	BE006202 1	>	0.8	12136	Т	1832
DIMAN SOLITOIST NIL MGC 20 H	BE2//405.1	, -	0.8	12135	6951	1832
HUMAN	AW207280.1	0	0.5	12117	6928	1809
	AW207280.1	0	0.5	12116	6928	1809

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(GTPBP1) mRNA	Long explore ATPass Ca++ fransporting plasma membrane 2 (ATP2B2) mRNA	Home saniens ATPase. Ca++ transporting, plasma membrane 2 (ATP2B2) mRNA	Homo sapiens KJAA0218 gene product (KIAA0218), mRNA	Homo saniens KIAA0218 gene product (KIAA0218), mRNA	hr62a08.x1 NCL_CGAP_Kid11 Homo sapiens cuna dixie invase I covere o circums at the first payon P97307 SDF2.;		H. sapiens MICA gene  H. sapiens CDNA clone IMAGE:3133046 3' similar to	contains Alu repetitive element;	ov80f08.x1 NCI CGAP Ut2 Homo saplens cDNA clone IMAGE:1988871 3' similar to		Licros espiene phosphodiesterase 8A, cGMP-specific, rod, alpha (PDE8A), mRNA	Homo sapiens similar to rat integral membrane glycoprotein POM121 (POM121L1), mRNA		

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2306	2305	2304	2300	2291	2291	2280	2280	2275	2274	2271	2264	2263	2258	2256	2256	2254	2212	2209	2209	2206	2199	2183	2174	2169	2169	2168	2168	2160	2160	2159
7409	7408	7407	7404	7395	7395	7386	7386	7381	7380	7377	7370	7369	7364	7362	7362	7360	7320	7318	7318	7315	7308	7302	7283	7278	7278	7277	7277	7269	7269	7288
12616		12615	12611	12605	12604	12594	12593	12589	12588	12586	12580	12579	12573	12571	12570	12568	12534	12532	12531	12528	12520	12516		12491	12490	12489	12488	12480	12479	12478
1.0	21	0.6	1.0	1.5	1.5	0.6	0.6	∙1.0	3.7	1.0	0.7	1.2	0.8	0.8	0.8	0.9	1.4	0.9	0.9	1.1	0.5	2.7	1.0	1.0	1.0	0.8	0.8	Ó.9	0.9	0.7
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AW867076.1	4508598	AF246302.1	5174678 NT	AF058332.1	AF058332.1	5803178 NT	5803178 NT	Al625542.1	AF044571.1	Al347926.1	6325466	4826783 NT	AJ010230.1	AA429001.1	AA429001.1	AI076404.1	AB037784.1	7661965	7661965	AB023195.1	7662401 NT	4557556	U36264.1	7662401 NT	7662401 NT	AL163204.2	AL163204.2	AA042813.1	AA042813.1	BE018750.1
EST_HUMAN		Z <sub>1</sub>	S	NT	NT	NT	NT	EST_HUMAN	NT.	EST_HUMAN	NT	NT	NT	EST HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	NT	NT	NT		TN	NT	NT	TIN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN
	Homo sapiens ribosomal protein L12 (RPL12) mRNA	Homo sapiens peroxisome proliferative activated receptor delta (PPARU) gene, exons / and 8		Homo sapiens trun (TTN) gene, alternative splice products, partial cds	Homo sapiens titin (TTN) gene, alternative splice products, partial cds	Homo sapiens sperm specific antigen 2 (SSFA2), mRNA	Homo sapiens spem spedfic antigen 2 (SSFA2), mRNA		Homo sapiens phosphorylase kinase alpha subunit (PHKA2) gene, exon 32	qp60f09.x1 NCI_CGAP_Co8 Homo saplens cDNA clone IMAGE:1927433 3'	Homo sapiens flavin containing monooxygenase 3 (FMO3), mRNA	Homo sapiens potassium voltage-gated channel, Shab-related subfamily, member 1 (KCNB1) mRNA	Homo sapiens RET finger protein-like 1 antisense transcript, partial		zv78a11.r1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA done IMAGE:759740 5'	oz08c07.x1 Soares_fetal_liver_spieen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:1674828 3'	Homo sapiens mRNA for KIAA1363 protein, partial cds	Homo sapiens KIAA0170 gene product (KIAA0170), mRNA	Homo sapiens KIAA0170 gene product (KIAA0170), mRNA	Homo sapiens mRNA for KiAA0978 protein, partial cds	Homo sapiens KIAA0952 protein (KIAA0952), mRNA	Homo saplens E1A binding protein p300 (EP300) mRNA	Human beta-prime-adaptin (BAM22) gene, exon 16	Homo sapiens KIAA0952 protein (KIAA0952), mRNA	Homo sapiens KIAA0952 protein (KIAA0952), mRNA	Homo sapiens chromosome 21 segment HS21C004	Homo sapiens chromosome 21 segment HS21C004	zk53c07.s1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:486540 3' similar to gb:X65857_cds1 OLFACTORY RECEPTOR-LIKE PROTEIN HGMP07E (HUMAN);	zk53c07.s1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:486540 3' similar to gb:X65857_cds1 OLFACTORY RECEPTOR-LIKE PROTEIN HGMP07E (HUMAN);	bb84602.y1 NIH_MGC_10 Homo sapiens cDNA done IMAGE:3049082 5' similar to TR:Q15170 Q15170 TRANSCRIPTION FACTOR S-II-RELATED PROTEIN;

It follows a district and in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco			,				
Homo seniors translocation protein 1 (TLOC1) mRNA	NT.	1110405200		=	12//4	7572	2474
Homo sapiens hypothetical protein FLJ20366 (FLJ20366), mRNA	O NT	INOPERCOS	3			T	24/3
Homo sapiens titin (TTN) mRNA	ONT	4507720 NT	0	20.0	12773	Т	2473
Homo sapiens similar to rat integral membrane glycoprotein POM121 (POM121L1), mRNA	8 NT	7657468 NT	0	0.7	12772		2472
Homo saplens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cos	N	AF058953.1	0	0.7	12771	7569	2471
Homo sapiens platelet-denived grown ractor receptorarise (FDGFSC) illinuity	1 NT	5453871	٥	2.0		7567	2469
Homo sapiens mRNA for memorane transport protein (An gette)		Z32684.2	0	0.8	12768	7565	2467
Homo sapiens deam receptor o (UKO), ITIKNA	8 NT	7657038 NT	0	1.2	12203	7014	2463
	4 NT	4506744 NT	0	5.8	12765	7561	2462
	EST HUMAN	AW813853.1	0	0.9		7556	2457
Homo sapiens protein kinase, AMP-activated, alpha 2 catalytic subunit (PRKAA2) mRNA	•	5453965 NT	0	0.8	12752	7543	2444
Homo sapiens protein kinase, AMP-activated, alpha 2 catalytic subunit (PRKAA2) mRNA	5 NT	5453965 NT	0	0.8	12751	7543	2444
UI-HF-BP0p-ais-c-07-0-UI.r1 NIH_MGC_51 Homo sapierts cDNA clone IMAGE:3072780 5	EST_HUMAN	AW501010.1	0	1.3	12734	7529	2430
hapahoa.x1 NCI CGAP No12 nomo sapiens GOIA Gone invidenzo de C	EST HUMAN	AW466922.1	0	1.0	12733	7527	2428
Homo sapiens keratin 16 (KK118) MKNA	3	4557887	0	0.8	12725	7518	2419
Homo sapiens serine/ungonine kinase & (STNS) ITINIX	ONT	4507280 NT	0	0.9	12721	7513	2414
	NT	4507280 NT	0	0.9	12720	7513	2414
Homo sapiens collagen, type XII, alpha 1 (COL12A1), mknA	7 NT	5729777 NT	0	1.4	12717	7509	2410
	NT	AF106275.1	0	0.8	12704	7498	2398
Homo sapiens gene for cholecystokinin type-A receptor, complete cus	4	D85606.1	0	0.9	12695	7490	2380
Homo sapiens gene for cholecystokinin type-A receptor, complete cus	N <sub>1</sub>	D85606.1	0	9.0	12694	7490	2390
Homo sapiens glutamate receptor, ionotropic, N-methyl D-aspartate 2A (GRIN2A) mRNA	NT NT	6006002 NT	0	2.0	12690	7487	2386
Homo sapiens AKZB processed pseudogene	3	AF056332.1	0	0.6.		7484	2382
	EST_HUMAN	AW303998.1	0	1.0	12673	7471	2369
nomo sapiens priospiratury intositor en la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la c	N	AF012872.1	o	1.3		7468	2366
Homo sapiens hypothetical protein revision (n. 1200 p), in the complete cds	N	8922550 NT	0	1.0		7430	2327
Homo sapiens nuclear autoanugenic apenni protein (ilistrato principal)	IN	4505332 NT	0	2.7	12622	7413	2310
Homo sapiens nuclear autoanugenic spellit protein (histone hinding) (NASP) mRNA	IN	4505332 N	0	2.7	12621	7413	2310
Homo sapiens nuclear autoanugeriic speriii proteii (tiistorie hinding) (NASP) mRNA	NT	4505332 NT	0	2.7	12620	7413	2310
MRNA  MRNA	NT	4758497 NT	0	0.5	12619	7411	2308
mRNA  The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second	NT	4758497 NT	0	0.5	12618	7411	2308
Tionio sabiata Nicolari Piccari (IIII)	141	102001	٥	0.7	1/01/	7410	2307

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2612	2609	2608	2601	2595	2585	2577	2574		2574		2573	2571	2570		2569	2562	2560	2554	25.52	2570	2514	2011	25	2510	2510	2509	2509	2488	2486	2486		2481
Л		7698			$\neg$	7	7667		7667		7666	7664	7663		7662	7656	7654	7648	7876	7876	7670	100	76037	7606	7606	7605	7605	7585	7583	7583		7579
12902	12901		12897	12890		12871	12870		12869		12868	12866	12865		12864		12857		12851	12850	12826	3000	10810	12809	12808	12807	12806	12791	12788	12/8/		12781
1.2	1.9	1.1	2.5	0.9	3.8	1.1	1.0		1.0		2.1	0.8	1.0		1.3	1.2	1.0	1.4	0.0	0.9	1 6	عاد 1000	100	1.2	1.2	1.4	1.4	1.0	1.6	1.0	,	0.6
0	0	0	0	0	0	0	0		0		0	0	0		0	0	0	0	0	0	٥		0	0	0	0	0	0	0	-	>	0
AB011108.1	AF173227.1	U78027.1	4507720 NT	4504686 NT	L19185.1	BE293328.1	AF129756.1		AF129756.1		AB037859.1	5032150 NT	AI571737.1		AB037742.1	4504866 NT	8923855 NT	BE084725.1	AB037836.1	AB037836.1	BE296613.1	AW937782.1	AW589700.1	4506402	4506402 NT	4557336 NT	4557336	AW888221.1	AI804747.1	7.004747.1	4 27470819	8051635 NT
N	N.	N	NT	S N	3	EST HUMAN	1		4		NT	ONT	EST HUMAN		NT	BNT	5 NT	EST_HUMAN	NT		· 'h	EST HUMAN	EST HUMAN	T	NT	INT	NT	EST_HUMAN	EST_HUMAN	100	EST HIMAN	NT
Homo sapiens minux for ninewoode provent, per um coo	Homo sapiens guanylate cyclasse-acusedilly process a (CCC) and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	ribosomal protein (L44L) and FTP3 (FTP3) genes, complete cds	Homo sapiens uun (1 i N) Inkiva (BTK) alpha-D-galactosidase A (GLA), L44-iike		Human natural killer cell ennancing lactor (INCET 8) lilions, compress con	601143722F1 NIH MGC 15 HORIO Sapieris GOIAN Gold INSCENSION COM	genes, complete cds	Homo sapiens MSH55 gene, parual cass and CLIC I, DOWN, SOU, SOU, SOU, SOU, SOU, BAT5, G5b, CSK2B, BAT4, G4, Apo M, BAT3, BAT2, AIF-1, 1C7, LST-1, LTB, TNF, and LTA	genes, complete cds	Homo sapiens MSH55 gene, partial cds; and CLIC1, CDA11, Soc, Soc, Soc, Soc, Soc, Soc, Soc, Soc	Homo sapiens many for next 1400 protein, person was		2 (HUMAN); Homo saniens TATA box binding protein (TBP)-associated factor, RNA polymerase II, I, 28kD	gb:L20977 CALCIUM-TRANSPORTING ATPASE PLASMA MEMBRANE, BRAIN ISOFORM	Homo sapiens mr.NA for NAA for proping conditions (MAGE-2168055 3' similar to	Homo sapiens ring finger protein (CSTC4 type) o (Navo), History	Homo sapiens PC326 protein (PC326), IIININA	MR0-BT0659-280200-003-c06 BT0659 Homo sapiens CUNA	Homo sapiens mRNA for KIAA1415 protein, partial cds	Homo sapiens mRNA for KIAA1415 protein, partial cds	601173631F1 NIH_MGC_17 Homo saplens cDNA clone IMAGE:3529159 5	QV3-DT0045-140200-082-e11 DT0045 Homo sapiens cDNA	TR:000246 HYPOTHETICAL 9.3 KD PROTEIN;	Homo sapiens reunoic acid induced 3 (NASI) III NAS CENSOA6084 3' similar to	Homo sapiens retinoic acid induced 3 (PAI3) mBNA	Homo sapiens argininosuccinate synuladas (COO), illivio	Homo sapiens argininosuccinate synthetisse (ASS) mRNA	Similar to MXRA5 Matrix remodeling associated gene 5	contains element MSR1 repetitive element;		tu42c11.x1 NCI_CGAP_Pr28 Homo sapiens cDNA ctone invase:.zzszri o s siiiiiiiii io contains element MSR1 repetitive element ;	Homo sapiens exportin, IRNA (nuclear export receptor for tRNAs) (XPOT), mRNA

N district.	EST HOMAIN	AA490647.1	0	3.5	13047	7845	2761
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Homo sapiens protein tyrosine priospinalase, recepus, type, it is not from the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the	Z	7427522 NT	0	0.6	13045	7842	2758
Homo sapiens chondroitin sulfate proteoglycan 4 (melanoma-associated) (CSPG4), mRNA	NT	4503098 NT	0	<u>:</u>		7832	· 2748
Human miking for Nixao Ioo gene, complete cas	Z	D63879.1	0	1.3	13030	7826	2742
Homo sapiens chromosome 21 segment nazitudi	NT	AL163201.2	0	1.3			2741
	EST_HUMAN	BE176836.1	0	1.0	13020		2730
Homo sapiens keratin 8 (KKI8) MKNA	4	4504918 NT	0	0.8	13017		2727
Homo sapiens cerebellar degeneration-related protein (370) (CCC), illings	NT	4757963 NT	0	1.2	13012		2723
Homo sapiens cerebellar degeneration-related protein (34kD) (CDR1) mRNA	NT	4757963 NT	0	1.2		П	2723
Human membrane protein-uke protein mkrvx, parcai cus	NT	U21556.1	0	0.6	13008	٦	2719
Human membrane protein like protein miniva, partei cas	NT	U21556.1	0	0.6	13007	7803	2719
Human ferritin L chain mkNA, complete cus	NT	M11147.1	0	5.7			2718
Homo sapiens H1002 protein (H1002), mr.v.v.	NT.	7661839 NT	0	0.8			2717
Homo sapiens hypometical protein resident (resident), illinux	NT	8923441 NT	0	0.9	13005	П	2716
	ZT	8923441	0	0.9	13004	7800	2716
Homo sapiens spermatogenesis associated r.D.i. (Nirow) or) illinois	NT	5174486 NT	0	0.8	13003		2715
Homo sapiens spermatogenesis associated PD1 (VIAAO757) mBNA	N	5174486	0	0.8	13002	[	2715
HA0977 Human tetal liver curva library	EST HUMAN	AI065139.1	0	1.3		7797	2713
Homo sapiens ribosomai protein SZU (r	Ι.	4506696 NT	0	13.5	12999	7953	2712
	EST_HUMAN	T07303.1	0	3.2	12995	7794	2709
EST05192 Fetal brain, Stratagene (cat#936206) Homo sapiens cDNA clone Hr BEG84							1
Human mRNA for T-cell cyclophilin	NT	Y00052.1	0	10.4	12994	7793	2708
Homo sapiens skeletal muscle LIM-protein 1 (FHL1) gene, complete cas	TN	AF110763.1	0	3.7	12987	7787	2701
Homo sapiens neuregulin 1 (NRG1), transcript variant SMDF, mRNA	NT	7669517	0	=	12986	7786	2700
Human beta-prime-adaptin (BAM22) gene, exon 5	NT			1.3	12984	7784	2603
	T		٥	0.9	12975	7778	2691
to ribosomal protein L29	EST_HUMAN	AA316723.1	0	3.2		7777	260
FST18841A HCC cell line (matastasis to liver in mouse) il Homo sapiens cDNA 5' end similar i	N	0922043 NI	G	0.6	12945	7745	2656
	2	1N C777007	c	1.0		7718	2628
Homo sapiens SYR-SWF Complex Product (KIAA0649), mRNA	NT N	AF265208.1		1.2	12918	7717	2627
OUSBOURST NCI CUAP BIZ HOTTO SAP	EST_HUMAN		0	1.0	12917	7716	2626
L	ъ.		0	1.3	12912	7712	2622
Human Zn-15 related zinc finger protein			0	1.2	12909	7709	2619
	NT	U22377.1	0	1.2	12908	7709	2819
	TN	1502442	0	0.5	12906	7707	2617
Human mRNA for KIAA0301 gene, partial cds	NT	AB002299.1	0	1.0	12905	7706	2616
			:				

Т	Т	7	$\neg$	_	_	_	7	_			7	7	Т	Т			7	_	· 		П	П			٦	Т			П	٦	_		$\neg$
	3840	2840	2839	2838	2837	2833	2833	2828	2826	2824	2822	2822	2819	2815	2814	2808	2806	2805	2789	2789	2784	2784	2778	2775	2770	2770	2769	2769	2767	2766	2783	2761	
$\mathbf{I}$	7	Т	Т	П			7984		7977	7975			П	П	7965	7960			6163	6163	П	$\neg$	0987	5373	7854	7854	7853	7853	7851	7850	7847	7845	
T	13089	13088			13087	13084	13083	13079			13076	13075	13073	13070				13066	11317	11316	11012	11011		10498	13058	13057	13056	13055	13054	13053		13048	
3	25.1	25.1	1.0	4.6	1.3	43.5	43.5	2.6	2.8	1.4	1.6	1.6	5.9	2.2	1.	:	1.3	2.4	1.2	1.2	1.4	1.4	0.7	1.6	3.7	3.7	<u>:</u>	1.1	1.1	0.7	4.0	3.5	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	°	0	0	0	0	o	0	0	0	
4507280 NT	4503470 NT	4503470 NT	AF152303.1	Y10658.1	AL096857.1	D50657.1	D50657.1	M98478.1	AL163268.2	X73428.1	BE154504.1	BE154504.1	M80902.1	AL163201.2	AJ238852.1	AB040960.1	AF068624.1	X85980.1	4503202 NT	4503202 NT	AF264750.1	AF264750.1	AB033281.1	S76830.1	4506648 NT	4506648	AW505486.1	AW505486.1	4504918 NT	AF036943.1	6912633	AA490647.1	
ONT	ONT	ONT	NT	NT	NT	3	N	Z	Z	Z	EST_HUMAN	''	N,	NT	N <sub>1</sub>	2	N	NT.	NT	TN	ZT	3	NT	NT	NT	NT	EST_HUMAN	EST_HUMAN	NT	3		EST_HUMAN	
Homo saplens serine/threonine kinase 9 (STK9) mRNA	Homo sapiens eukaryotic translation elongation factor 1 alpha 1 (EEF IAI) IIININA			H. sapiens mRNA for nuclear UNA finitiase if	Novel numen mkna from calculoscalle 1, which has simulations to a second	Homo sapiens gaminma-cytopiasitiic acuti (NC) of by Paccaregoria	Homo sapiens gaminina-typopiasinic actin (ACTGP3) pseudogene	Human transgituaminase mixty, complete cus	Homo sapiens chromosome 21 segment 152 1550	H.Sapiens 103 gente for File type defined HS21C068	PMO-H10343-281299-003-802 H10343 notito sapistis curvo	1	Human AHNAK nucleoprotein mkna, o end	Homo sapiens chromosome 21 segment risz i cuo i	U83b snoRNA genes	Homo sapiens linking to respect to the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sam	Homo sapiens 5-eminolevullidae syllulase a (Secret) gold conference and for MINALEST protein pedial cde	H. sapiens serine hydroxymetriyluditsierase pseudogerio	Primary Infantile) (CYP1B1) mRNA	primary Infantile) (CYP 181) mRNA  primary Infantile) (CYP 181) mRNA  1. (diayin-Inducible) polypeptide 1 (glaucoma 3,	Homo sapiens ALK-like protein minner, partei cus	Homo sapiens ALR-like protein mixixx, parual cus	Homo sapiens BTRCP2 mRNA for F-box and WD-repeats protein isoform C, complete cos	glycoprotein D=Duny group anugen frientian, piece, constitue con 1	Homo sapiens noosomal protein to (Nrts) linking Genomic DNA 3068 ntl	Homo saplens ribosomal protein L3 (RPL3) mRNA	UI-HF-BN0-amb-d-02-0-UI.r1 NIH_MGC_50 Homo saplans cDNA clone IMAGE:3081626 5	UI-HF-BN0-amb-d-02-0-UI.r1 NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3081626 5	Homo sapiens keraun e (KKTs) mxvx	Homo sapiens myelin transcription factor falke (will 19) fill use, with the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services and the same services are same services and the same services and the same services and the same services are same services are same services and the same services are same services are same services are same services and the same services are same servi	Homo sapiens noosomal protein Liba (N. Liba), illings and complete ods		aa01g04.r1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:812022 5' similar to SW:ZN22_HUMAN P17026 ZINC FINGER PROTEIN 22 ;contains element LTR6 repetitive

														2		) :	<u>&gt;</u>			_		_		_	_	_		_				
2929	2927	.2927	2924	2917	2917	2915	2915	2902	2902	2901	2901	2898	2898	2897	2897	2882	2881	2879	2879	2878	2877	2874	2867		2866	2866	2858	2858	2856	2855	2855	2854
8080	8078	8078	8075	8068	8068	8066		8053			8052	$\neg$	╗	8048	$\neg$	П	7		0000	8029	8028	8025	8018		8017	8017	8009	8009	8007	8008	8006	8005
13189	13187	13186	13183	13178	13177	13175	13174	13158	13157	13156	13155	13152	13151	13150	13149	13137	13136	13134	13133	13132	13131		13122		13121	13120	13109	13108		13106	13105	13104
7.9		1.3	1.6	0.9	0.9	2.0		3.2	3.2	2.7	2.7				1.3	1.5	1.9	1.3	1.3	18.7	1.2	3.1	1.1		1.6	1.6	5.0	5.0	3.4	1.3	1.3	1.4
0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0
AF106275.1	X15309.1	X15309.1	4758827	4885214 NT	4885214 NT	4505084 NT	4505084 NT	5174574 NT	5174574 NT	7661903 NT	7661903 NT	AB040941.1	AB040941.1	AB033093.1	AB033093.1	AF152338.1	P52740	AI561002.1	AI561002.1	4503470 NT	4758279 NT	Y19210.1	AA215579.1		AL163206.2	AL163206.2	BE081896.1	BE081896.1	4503098 NT	7661883 NT	7661883 NT	AL047599.1
N	S	3		NT	T I	N	3	T	T T	TN	NT	NT	NT	NT	3	Ŋ	SWISSPROT	EST_HUMAN	EST_HUMAN	NT	NT	3	EST_HUMAN		N,	NT	EST_HUMAN		l	NT	NT	EST_HUMAN
Homo sapiens immunogiobulin-like transcript to variatit 4 (i.e. i.e.) getter, exert o		H.sapiens Nr-H gene, exon 4	Homo sapiens neuroxin III (NRXN3) mKNA		mRNA	Homo sapiens meianoma anugen, ramily 5, 4 (MAGE54), HICKA	Homo saplens melanoma antgen, ramity B, 4 (WAGEB4), mixing				Homo sapiens KIAA0100 gene product (KIAA0100), mKNA	Homo sapiens mRNA for KIAA1508 protein, partial cds 1	Homo sapiens mRNA for KIAA1508 protein, partial cds				ZINC FINGER PROTEIN 132	TR:016247 016247, F44E7.2 PROTEIN.;	TR:O16247 O16247 F44E7.2 PROTEIN.	Homo sapiens eukaryotic translation elongation ractor 1 alpha 1 (EEF IA) ilinux	Homo sapiens EphA4 (EPHA4) mRNA	Homo sapiens hHb5 gene for hair keratin, exons 1 to 8	contains Alu repetitive element;	2/96b11.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:683517 3' similar to	Homo sapiens chromosome 21 segment HS21C006	Homo sapiens chromosome 21 segment HS21C006	QV2-BT0636-130400-138-h03 BT0636 Horno sapiens cUNA	QV2-BT0636-130400-138-h03 BT0636 Homo sapiens cDNA	Homo saplens chondroitin sulfate proteoglycan 4 (melanoma-associated) (CSPG4), mRNA	Homo sapiens KIAA0054 gene product; Helicase (KIAA0054), mKNA	Homo sapiens KIAA0054 gene product; Helicase (KIAA0034), MKNA	DKFZp586G0621_r1 586 (synonym: hute1) Homo sapiens cDNA clone DKFZp586G0621

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318	3156	3156	3145	3145	3140	3123	3115	3115	3111	3102	3075	3074	3069	3068	3047	3043	3038	3019	3017	3014	3011	3009	3009	3001	2992	2990	2965	2965	2964	2954	2953	2943
./]	8305	8305		8294		8272	8264	8264	8260	8252	8226	8225	8220	8219	8198	8194	8190	8171	8169	8166	8163	8161	8161	8153	8144	8142	8116	8116	8115	8105	8104	8094
13424	13416	13415	13403	13402	13395	13377	13369	13368	13364	13356	13324	13323	13319	13318	13299		13292	13271		13267		13263	13262	13253	13246		13223	13222	13221	13212	13211	
7.7	1.5	1.5	4.0	4.0	1.0	9.4	1.8	1.8	19.6	3.5	1.6	4.2	4.0	2.9	1.9	1.9	2.8	1.0	1.7	2.0	5.1	7.9	7.9	0.8	1.0	0.9	1.6	1.6	1.3	2.2	1.0	=
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4504658 NT	4758827 NT	4758827 NT	X98922.1	X98922.1	A1968086.1	T94870.1	AB011121.1	AB011121.1	L20941.1	4826783	AF042075.1	7662139	AF149773.1	AF265208.1	AF064589.1	AF199355.1	X03529.1	4504664	AF196779.1	AF017433.1	AL359403.1	5579469 NT	5579469 NT	4506882 NT	M74099.1	AL163246.2	5729755	5729755 NT	. 7662273 NT	AB004884.1	4506118 NT	AI149880.1
8 NT	7 NT	7 NT	NT	NT	EST_HUMAN	EST HUMAN	NT	NT	N	3 NT	N	9 NT		NT	NT	N	N <sub>T</sub>	4 NT	NT	ZT	Ŋ	9 NT	9 NT	2 NT	NT	NT	5 NT	5 NT	3 NT	NT	8 NT	EST_HUMAN
Homo sapiens interleukin 1 receptor, type I (IL1R1) mRNA	Homo sapiens neurexin III (NRXN3) mRNA			H.sapiens mRNA for gamma-glutamyltransferase	wu12h10.x1 NCI_CGAP_GC8 Homo sapiens cDNA clone IMAGE:2516803 31	ye32f03.s1 Stratagene lung (#937210) Homo sapiens cDNA clone IMAGE:119453 3' similar to SP:S28539 S28539 BASIC PROTEIN, 23K - ;		Homo sepiens mRNA for KIAA0549 protein, partial cds	Human ferritin heavy chain mRNA, complete cds	Homo sapiens potassium voltage-gated channel, Shab-related subtamily, member 1 (KCNB1) mRNA	Homo sapiens olfactory receptor-like protein (OLFR 428) gene, OLFR 428-9110 allele, parual ods	Homo saplens KIAA0469 gene product (KIAA0469), mRNA	Homo sapiens NOD1 protein (NOD1) gene, exons 1, 2, and 3		Homo sapiens melanoma-associated antigen (MAGE-C1) gene, complete cds	Homo saplens F-box protein FBL5 (FBL5) mRNA, complete cds	Human germline gene 16.1 for ig lambda L-chain C region (igt-C16.1)	Homo sapiens interleukin 2 receptor, beta (IL2RB) mRNA	Homo sapiens transcription factor IGHM enhancer 3, JM11 protein, JM4 protein, JM5 protein, T54 protein, JM10 protein, A4 differentiation-dependent protein, triple LIM domain protein 6, and synaptophysin genes, complete cds; and L-type calcium channel a>	Homo saplens putative transcription factor CR53 (CR53) mRNA, partial cds	Isoform 2 of a novel human mRNA from chromosome 22	Homo sapiens heat shock 70kD protein 1 (HSPA1A), mRNA	Homo sapiens heat shock 70kD protein 1 (HSPA1A), mRNA	Homo sapiens semenogelin I (SEMG1) mRNA	Human displacement protein (CCAAT) mRNA	Homo sapiens chromosome 21 segment HS21C046	Homo sapiens calcium channel, voltage-dependent, gamma subunit 3 (CACNG3), mRNA	Homo sapiens calcium channel, voltage-dependent, gamma subunit 3 (CACNG3), mRNA	Homo saplens KIAA0737 gene product (KIAA0737), mRNA	Homo sapiens mRNA for PKU-alpha, partial cds	Homo saplens prospero-related homeobox 1 (PROX1) mRNA	qf43f09.x1 Soares_testis_NHT Homo sapiens cDNA done IMAGE:1752809.31

Homo sapiens beaded filament structural protein 1, filensin (BFSP1) mRNA	BINT	4502398 NT	0	1.0	13628	8521	3378
Homo sapiens KIAA0952 protein (KIAA0952), mRNA	NT	766240	0	1.4	13627	8520	3377
Homo sapiens KIAA0952 protein (KIAA0952), mRNA	1 NT	7662401 NT	0	1.4	13626	8520	3377
Homo sapiens T-type calcium channel alpha1 subunit Alpha11-a isoform (CACNA1I) mRNA, complete cds	NT	AF211189.1	0	1.0	13612	8504	3361
Homo sapiens neuroblastoma-amplified protein (LOC51594), mRNA	9NT	7706239 NT	0	1.4	13611	8503	3360
Homo sapiens olfactory receptor, family 10, subfamily C, member 1 (OR10C1), mRNA	6 NT	7363436 NI	0	1.7	13609	8500	3357
Homo sapiens olfactory receptor, family 10, subfamily C, member 1 (OR10C1), mRNA	6 NT	7363436 NT	0	1.7	13608	8500	3357
Homo sapiens mRNA for KIAA1507 protein, partial cds	NT	AB040940.1	0	1.0	13553	8444	3298
Homo sapiens pyrin (MEFV) gene, complete cds	NT	AF111163.1	0	11.1	13551	8442	3296
Homo sapiens caspase 8, apoptosis-related cysteine protease (CASP8) mRNA	2 NT	4502582 NT	0	1.0	13548		3292
Homo saplens caspase 8, apoptosis-related cysteine protease (CASP8) mRNA	2 NT	4502582 NT	0	1.0	13547		3292
Homo sapiens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	3NT	7657213 NI	0	1.0	13546	8436	3290
Homo saplens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	3 NT	7657213 NT	0	1.0	13545		3290
Homo sapiens telomerase reverse transcriptase (TERT) gene, exons 1-8	NT	AF128893.1	0	3.0	13544	8435	3289
Homo sapiens telomerase reverse transcriptase (TERT) gene, exons 1-6	NT	AF128893.1	0	3.0	13543	8435	3289
SW:RL11_RAT P25121 60S RIBOSOMAL PROTEIN L11. ;contains Alu repetitive element;	EST_HUMAN	AI589294.1	0	4.9	13535	8427	3282
tr58f08,x2 NCI_CGAP_Pan1 Homo sapiens cDNA done IMAGE:2222535 3' similar to							
Homo sapiens hypothetical protein FLJ20695 (FLJ20695), mRNA	4 NT	8923624 NT	0	0.9	. 13506	8400	3253
Homo sapiens SWI-SNF complex protein p270 mRNA, partial cds	NT	AF265208.1	0	2.0	13505	8399	3252
	4 NT	4502014 NT	0	3.5	13492	10294	3237
Homo sapiens A kinase (PRKA) anchor protein 1 (AKAP1), mRNA	4 NT	4502014 NT	0	3.5	13491	10294	3237
Homo sapiens very large G-protein coupled receptor-1 (VLGR1) mRNA, complete cds	NT	AF055084.1	0	4.2	13483	8375	3227
genes,>	NT	AF019413.1	0	1.2	13481	8373	3225
Homo sapiens HLA class III region containing tenascin X (tenascin-X) gene, partial cds; cytochrome P450 21-hydroxylase (CYP218), complement component C4 (C4B) G11, helicase (SKI2W), RD, complement factor B (Bf), and complement component C2 (C2)							
Human connexin 43 processed pseudogene	NT	M65189.1	0	4.4		8372	3224
Homo sapiens titin (TTN) mRNA	ONT	4507720 NT	0	3.4	13474	8363	3215
Homo sapiens fibrillin 1 (Marfan syndrome) (FBN1) mRNA	ONT	4557590 NT	0	1.6	13467	8358	3210
ae87b11.s1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:971133 3'	EST_HUMAN	AA774783.1	0	26.3	13452	8339	3190
Homo sapiens CREB binding protein (Rubinstein-Taybi syndrome) (CREBBP) mRNA	5 NT	4758055 NT	0	0.8	13451	8337	3188
Homo saplens CREB binding protein (Rubinstein-Taybi syndrome) (CREBBP) mRNA	5 NT	4758055 NT	0	0.8	13450	8337	3188
Homo sapiens solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5 (SLC25A5), nuclear gene encoding mitochondrial protein, mRNA	8 NT	4502098 NT	0	2.2	13444		3183
Homo sapiens nucleolar phosphoprotein B23 (NPM1) mRNA, complete cds	NT	M28699.1	0	2.4	13442	8329	3180
Hoπo saplens titin (TTN) mRNA	ONT	4507720 NT	0	3.3			3164
Homo sapiens titin (TTN) mRNA	NIO.	4507720 NT	0	3.3	13425	8313	3164

HOMO Sabielis linvex to the promit F	NT	AB040909.1	0	1.0		Т	3507	_
Novel Illulian gold mapping to strong and a cds	Z	AL133204.1	0	1.4	13757	7	3505	-т
New Jeros Cape manning to chomosome X	Z	AF078868.1	0	1.3		8639	3497	_
Long spriege homologous veast-44.2 protein mRNA, complete cds	450000+INI	4500	0	0.8	13749	8637	3495	
Homo sanjans samenogelin II (SEMG2) mRNA	100	IN I DO TO. 1	c	0.t	13726	8614	3473	
Human endogenous retroviral DNA (4-	NT TOWN	M10076 1	0	0.9	Γ.	8611	3470	_
	TOT HIMAN	1381007 1	·					_
mRNA  MRNA  St. Homo saniens cDNA clone IMAGE:2088742 3' similar to	4826795 NT	4826	0	1.4	13717	8604	3463	
Homo sapiens potassium voltage-gated channel, Isk-related family, member 2 (NCNE2)	31		1	7:6	19713	2002	3461	_
	1 8	BE304791.1	3	3 !	T	800	940 0	Т
601143853F1 NIH_MGC_15 Homo sa	EST HUMAN	BE304791.1		33	T	0000	3400	Т
7	4508028 NT	4508	0	<u>.</u>	13740	8500		
ab51f12.r1 Stratagene lung carcinoma	EST_HUMAN	AA626877.1	0	0.9	13709	8596	3455	
1_	EST_HUMAN	AA626677.1	0	0.9	13708	8596	3455	
ab51f12.r1 Stratagene lung carcinoma	EST_HUMAN	AA626677.1	0	0.9	13707	8596	3455	
FIGURE Septions Chicago and Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control	2	AF231922.1	0	1.2	13704	8590	3448	П
Homo sapiens chromosome 21 unknown mRNA	Z	AF045452.1	0	2.1	13696	8582	34.6	Т
Homo sapiens cell-line KG1 transcriptional regulatory protein p54 mRNA, complete cds	NT.	AF045452.1	0	2.1	13695	8582	34.6	Т
numali wido is Collectivities is secretational regulatory protein p54 mRNA, complete cds	Z	U43293.1	0	6.2	13685	8573	3431	П
Human endogenious leavings in many partial cds	N.	M14123.1	0	1.1	13680	8568	3426	Т
TOTIO SAPIRITA PICA SAFANTIS HERVINIO		8552332	0	2.9	13674	8562	3420	Т
Homo sapistis vilos i po illumino estaosarcoma viral oncogene homolog (FOS), mRNA	6552332 NT	65523	0	2.9	13673	8562	3420	T
Homo sapiens initive to pushes estansarosma viral oncogene homolog (FOS), mRNA	N	AJ278120.1	0	2.7	13664	8555	3413	Т
	EST_HUMAN	Al935159.1	0	3.7	13659	8551	3409	
	EST HUMAN	A1935159.1	0	3.7	13658	8551	3409	$\neg$
nomo sapiena proceni y 1991 Pomo sapiens cDNA done IMAGE:2464819 3' similar to	22 N1	7427522 NT	0	1.2	13652	854	3402	٦
and incC incompatibility determinants  and incC incompatibility determinants  Light Carloss arctein tyrosine phosphatase, receptor type, T (PTPRT), mRNA	3	K02380.1	0	5.5	13650	8542	3400	
Barcherlophage P1 replication region including repA, parA, and parB genes and incA, incB,	121	AJ211216.1	٥	1.5	13648	8540	3398	
Homo sapiens mRNA for rapa-2 (rapa gene)	21-	AJ2//2/6.1		1.5	13647	8540	3398	
Long earling mRNA for raps-2 (rapa gene)	38 N -	/65/U36 N1	L	2.1	13643	8537	3395	
Long socione death recentor 6 (DR6), mRNA	2	AF110/63.1	L	6.0	12987	7787	3390	
member 2 (LILRA2), mRNA	67 NT	5803067 NT	0	1.7	13630	8524	3381	
Homo sapiens leukocyte immunoglobulin-like receptor, subfamily A (with TM domain),								1

					Г	1	١	
Homo sapiens soluble neuropilin-1 mRNA, complete cds	Z	AF145712.1	9		T		3746	
Homo sapiens v-ets avian erythroblastosis virus E26 oncogene related (ERG), mRNA	NT N	7657065 NT	٥	10	T	Т	300	
Homo sapiens vets avian erythrobiastosis virus E26 oncogene related (EKG), mkrva	NT	7657065 NT	٥	1.0	13933	Т	3705	
Homo sapiens ribosomai protein 32 (KF32) mkrv4	NT	4506718 NT	0	7.9	13931	٦	3701	
	NI	7662183	0	3.9	13929	8838	3699	
HOMO SAPIRAS MRNA TO NIPA 14 14 property parties was	Z	AB037835.1	٥	0.9	13919	8825	3687	
	NT	7657468 NT	0	3.4	13909	8816	3677	
SW:KRB4_SHEEP P02445 KERATIN, HIGH-SULFUR MATRIX PROTEIN, IIIB4. [1];	EST_HUMAN	AA463659.1	0	1.0	13902	8808	3669	
Human gene for Type XIX collegen at chain, exon o	N	AB004630.1	0	1.0	13901	8807	3668	
UI-H-BW0-ajs-e-12-0-UI.s1 NCI_CGAP_Sub6 Homo sepiens cDNA done IMAGE:2733022 3	EST_HUMAN	AW298134.1	0	3,5	13877	8784	3645	
UI-H-BW0-ajs-e-12-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE::2733022 3'	EST_HUMAN	AW298134.1	0	3.5	13876	8784	3645	
Homo saplens mRNA for KIAAU/96 protein, partial cus	3	AB018339.1	0	1.3	13865		3632	_
Homo saplens matrix metalloproteinase 24 (membrane-inseried) (MMF 24), ITIXIXX		5729928	0	1.8	13863	Т	3630	_
Homo saplens chromosome 21 segment HSZ1CUU4	Y,	AL163204.2	0	2.2	13859	$\neg$	3626	_ '
Homo saplens chromosome 21 segment HSZ1CUU4	NT P	AL163204.2	0	2.2	13858	П	3626	<u> </u>
NHTBCae15g091 Normal Human Tradecular Dolle Cells Follows September 2015 NHTBCae15g09	EST_HUMAN	AA852743.1	. 0	1.5	13856	8762	3623	. <u>'</u>
NHTBCae15g09  NHTBCae15g09	EST_HUMAN	AA852743.1	0	1.5	13855	8762	3623	
Homo sapiens SHZ-containing protein respt mixter, complete was	3	AF124250.1	٥	3.3	13851	8758	3619	
Homo sapiens SH2-containing protein NSpz mKNA, complete cus	NT.	AF124250.1	0	3.3	13850	8758	3619	
Homo sapiens WAVE2 mRNA for WASP-ramily protein, complete cas	3	AB026542.1	0	4.3	13848	8755	3616	
Homo sapiens glyceraldehyde-3-phosphate denydrogenase (GAPU), mkwa	NT	7669491 NT	0	28.7		8739	3600	
Homo saplens mRNA for G protein-coupled inward rectifier potassium channel, complete cds	NT ·	D87327.1	0	1.5	13829	8735	3596	
Homo sapiens midline 1 (Opitz/BBB syndrome) (MID1) mRNA	NT	4557752 NT	0	0.8	13815	8717	3578	
Homo sapiens midline 1 (Opiz/BBB syndrome) (MIC1) IIINNA	NT	4557752 NT	0	0.8	13814	8717	3578	
Homo sapiens KIAA0806 gene product (KIAA0806), TIKNA	NT	7662319 NT	0	1.0	13809	8710	3571	<u>.</u>
	3	4826763	o	1.1	13806	8708	3569	
hi84g01.x1 Soares NFL 1 GBC S1 Homo sapietis GUIVA GUIB INVAGE. 237 5027 0	EST_HUMAN	AW664693.1	0	1.0	13802	8705	3566	
T GBC SI	n	AW684693.1	0	1.0	13801	8705	3566	
toma-binding	Y.	4826967	0	1.1		8703	3564	
Homo sapiens gamma-giutamy/cysteine synthease (GLCLC) gerie, paruai cus	NT	AF118846.1	0	1.0		8681	3540	
QV0-CT0225-230300-169-e01 CT0225 Homo sapiens CDNA	EST_HUMAN	AW852217.1	0	4.5		8674	3533	
Homo sapiens butyrophilin, subtamily 3, member A3 (B1N3A3), mixiva	NT	6325463	0	1.3	13774	8670	3529	÷
WP:T1984.4 CE13742:	EST_HUMAN	AI081907.1	0	1.0		8668	3527	
THE STATE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF T								

4506758 NT Homo sapiens ryanodine receptor 3 4585642 NT Homo sapiens zinc finger protein (K
NT
4505078 NT Homo sapiens melanoma antigen,
4504138 NT Homo sapiens glutamate receptor,
6005887 NT Homo sapiens AP1 gamma subunit
6005887 NT Homo sapiens AP1 gamma subunit
EST_HUMAN DKFZp434N0413_r1 434 (synonym:
4506742 NT Homo sapiens ribosomai protein S8
wk01f01.x1 NCI_CGAP_Lym12 Homo sepiens cDNA clone IMAGE::2411065 3 similar to EST_HUMAN TR:043340 043340 R28830_2. ;contains element PTR7 repetitive element ;
NT Homo sapiens SC35-Interacting protein 1 (SRRP129), mRNA
Homo sapiens potassium voltage-g
NT Human zinc finger protein ZNF134 mRNA, complete cds
4503178 NT Homo saplens chromosome X open
4503178 NT Homo sapiens chromosome X open
6912735 NT Homo sapiens transient receptor po
NT Homo saplens chromosome 21 segr
4504534 NT Homo sapiens 5-hydroxytryptamine
NT Homo saplens myosin light chain kir
NT Homo sapiens myosin light chain kinase isoform 2 (MLCK) mRNA, complete cds
7662183 NT Homo saplens KIAA0569 gene prod
7710148 NT Homo saplens methyl CpG binding
Homo sapiens ATP-sensitive inward complete cds
4758199 NT Homo sapiens desmoplakin (DPI, DPII) (DSP) mRNA
NT Homo sapiens protocadherin beta 3
EST_HUMAN te62f10.x1 Soares_NFL_T_GBC_S
Homo sapiens smooth muscle myosin heavy chain SM1 mRNA, alternatively spliced, partial ods
7657468 NT Homo sapiens similar to rat integral
7657468 NT Homo sapiens similar to rat integral
NT Pan troglodytes olfactory receptor (PTR208) gene, partial cds
NT Homo sapiens DNA mismatch repai

								_
Homo sapiens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA	N T	4503854 NT	0	1.2	14241	9157	4000	
Homo sapiens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA	Z	. 4503854 NT	0	1.2	14240	9157	4029	
Homo sapiens butyrophilin, subtamily 3, member 24 (o i No.24), illinous	TN	5901905 NT	٥	1.0	14239	9156	4028	
Homo sapiens protein kinase, X-linked (PKKX) mKNA	N	4826947	0	0.8	11405		4022	
Homo sapiens protein kinase, X-linked (PKNX) INKNA	NT ·	4826947	0	0.8	11404		4022	
Homo sapiens DNA polymerase zeta catalytic subunit (REVS) mikiwa, carilpiete cas	NT	AF157476.1	0	0.9	14229		4017	
Homo sapiens DGCR8 (DGCR8) mRNA, complete cos	NT	AF165527.1	0	2.7	14227		4013	
Novel human mRNA from chromosome 1, which has similanties to ball gettes	NT	AL096857.1	0	1.6	14218		4005	
Homo sapiens ras GTPase activating protein-like (NGAP) mixina	3	4758807	0	1.3	14216	9134	4003	
Homo sapiens mRNA for KIAA0287 gene, partial cas	NT	AB006625.1	0	1.9	14215	9132	4001	_
	NT	4885306	0	4.9	14214	$\neg$	<del>1</del> 00	_
Homo sapiens phosphoribosyiglycinamide formyltransferase, phosphoribosyiglycinamide synthetase, phosphoribosylaminolmidazole synthetase (GART) mRNA	N	4503914 NT	0	0.8	14209	-9125	3993	
Homo sapiens reunoplastoma-birium protein + (Nobr.+) illium	N	5032026		5.6	14196	9113	3981	
Homo sapiens reunopiasionia-pinding protein 4 (NOC) 4/ HINNS	N	5032026		5.6	14195	9113	3981	
Homo sapiens mRNA for rapa-2 (rapa gene)	NT	AJ277276.1	0	3.3	14191		3976	٠
Homo sapiens mRNA for rapa-2 (rapa gene)	ZT		0	3.3	14190	9108	3976	レ 一
Homo saplens mRNA for UGA suppressor tRNA-associated antigenic protein (tRNA48 gene)	NT	AJ238617.1.	0	3.8		9100	3968	
Chlorocebus aethiops mRNA for ribosomal protein S4X, complete cus	Z	AB015610.1	0	6.2	14177	9092	3960	`. —
Human zinc finger protein ZNF133	NT	U09366.1	0	2.1	14156	9073	3940	_
Homo saplens KIAA0569 gene product (KIAA0569), mKNA	NT	7662183 NT	0	1.2	14155	9072	3939	
Homo saplens eukaryotic translation elongation factor 1 alpha 1 (EEFTA1) mRNA	NT	4503470 NT	0	25.8		9069	3935	_
Homo sapiens chromosome 21 segment HS21C068	NT		0	1.5	14145	8058	3924	_
Homo sapiens chromosome 21 segment HS21C084	NT	AL163284.2	0	2.9	14137	8050	3916	_
Novel human gene mapping to chomosome 20	NT	AL118494.1	0	1.5	14135	9047	3912	<del>-</del>
Homo sapiens chromosome 21 segment HS21C103	TN	AL163303.2	0	5.4		9040	3905	_
Human MHC class II lymphocyte antigen DPw4-beta-2 pseudogene, exon 2	NT .		0	3.9		9038	3903	_
Homo sapiens cancer-testis antigen CT10 (CT10) gene, complete cos	NT	AF116195.1	0	4.6	14120	9028	3893	
	NT	AF116195.1	0	4.6	14119	9028	3893	
PM3-LT0031-100100-003-h09 LT0031 Homo sapiens CUNA	EST_HUMAN	AW580740.1	. 0	1.0	14095	8996	3860	_
601153727F1 NIH_MGC_19 Homo sapiens CUNA clone IMAGE:3008743 3	EST_HUMAN	BE313146.1	0	1.3	14090	8990	3854	
601236966F1 NIH MGC 44 Homo sapiens cuiva cione image: souceur o	EST_HUMAN	BE378602.1	0	3.2	14089	6868	3853	_
Homo sapiens F-box protein Fbl3b (FBL3B) mKNA, partial cos	N	AF129533.1	0	1.8	14084	8984 4868	3848	_,
similar to MXRA5 Matrix remodeling associated gene 5	EST_HUMAN	AW888221.1	0 .	1.4	14079	8978	3842	
MXRA5 Human matrix tissue expression library Homo saptens cDNA clone Incyte 1996726	EST HOWAIN	AW868221.1		1.4	14078	8978	3842	
MXRA5 Human matrix tissue expression library Homo sapiens cDNA done incyte 1996/25	NVMIN LOS		,					_

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9160   14243   1.1   0   8622391   NT	Homo saplens protein kinase C, nu (PRACA), ilinax	NT	6563384	0	0.9		<u> </u>	4230	Т
9180   14243   1.1   0   8822391   NT	HORIO Sapieris propari in transport of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control	2	6563384	0	0.9	14436	9354	4230	٦
9180   14233   1.1   0   8822391   NT	Library profess C. nu (PRKCN), mRNA	181	4000040	c	1.0	14429	9348	4224	٦
9180   14243   1.1   0   8822391   NT		217	U14020.1	c	4.1		9334	4210	
9160   14244   1.1   0   8922391   NT	IMAGE:1724578 3' similar to contains menzouse mensor repositions.	EST HUMAN		0	1.9		9331	4206	
9160   14243   1.1   0   8922391   NT	qd23f06.x1 Soares_placenta_8toweeks_ZNDrir owever 10th a septement:						1	1,00	Т
9160 14243 1.1 0 892391 NT Homo saplens hypothetical protein FLJ 9169 14254 4.6 0 AISB2597.1 EST_HUMAN WU0404.x1 NCI. CGAP_ GC6 Homo sa 9169 14255 4.6 0 AISB2597.1 EST_HUMAN WU0404.x1 NCI. CGAP_ GC6 Homo sa 9169 14255 4.6 0 AISB2597.1 EST_HUMAN WU0404.x1 NCI. CGAP_ GC6 Homo sa 9169 14255 4.6 0 AISB2597.1 EST_HUMAN WR1-HT07077-000500-001-902 HT07010 9171 14257 0.9 0 BE194565.1 EST_HUMAN WR1-HT07077-000500-001-902 HT07010 9171 14258 0.9 0 BE274217.1 EST_HUMAN WR1-HT07077-000500-001-902 HT07010 9171 14258 0.9 0 BE274217.1 EST_HUMAN WR1-HT07077-000500-001-902 HT07010 9171 14258 0.9 0 AV656599.1 EST_HUMAN WR1-HT07077-000500-001-902 HT07010 9171 14258 0.9 0 AV676599.1 EST_HUMAN WR1-HT07077-000500-001-902 HT07010 9181 14266 2.0 0 AV676599.1 EST_HUMAN WR1-HT07077-000500-001-902 HT07010 9181 14266 2.0 0 AV676599.1 EST_HUMAN WR1-HT07077-000500-001-902 HT07010 9181 14266 0.2 0 AV676599.1 EST_HUMAN WR1-HT07077-000500-001-902 HT07010 9181 14266 0.2 0 AV676599.1 EST_HUMAN WR1-HT07077-00500-001-902 HT07010 9181 14283 1.3 0 AA401438.1 EST_HUMAN WR1-HT07077-00500-001-902 HT07010 9188 14284 1.3 0 AA401438.1 EST_HUMAN WR1-HT07077-00500-001-902 Ht070 saplens byloystils (driftory disea sea urchin homology-like (PKDREJ) m Zu68h07.s1 Soares_Ussils_NHT Homo saplens tim (TTN) mRNA 9208 14328 1.3 0 AA401438.1 EST_HUMAN WR1-HT Homo saplens tim (TTN) mRNA 9224 14306 7.8 0 AA401438.1 EST_HUMAN WR1-HT Homo saplens desmoplakin (DPI, DPI POP) POP Homo saplens desmoplakin (DPI, DPI POP Homo saplens mRNA for olifactory fee specific desmoplakin (DPI, DPI POP Homo saplens mRNA for olifactory fee specific desmoplakin (DPI, DPI POP Homo saplens myelodysplasia syndric specific desmoplakin specific specific desmoplakin (DPI, DPI POP Homo saplens myelodysplasia syndric specific desmoplakin (DPI, DPI POP Homo saplens myelodysplasia syndric specific desmoplakin (DPI DPI POP Homo saplens myelodysplasia syndric specific desmoplakin (DPI, DPI POP Homo saplens myelodysplasia syndric specific desmoplakin (DPI POP Homo saplens myelodysplasia syndric specific	Homo sapiens F-box protein Fbi+ (Fbt+) Illinux, parient con sanient con content	NT	AF174590.1	0	5.7	1441	9334	100	T
9160   14243   1.1   0   8922391   NT	Homo sapiens mysiodyspiasia syridiotire - (1900)	NT	4826827	0	0.9	14409	9322	4196	T
9160   14243   1.1   0   8922391   NT	Homo sapiens illyelogyspiasia sylicismo 1 (MDS1) mRNA	N	4826827	0	0.9	14408	93 23 23 23	418	T
9160   14243   1.1   0   8922391   NT	PMZ-U10023-080300-004-a08 010023 13113 SEPTION TO THE PMZ-U10023-080300-004-a08 010023 13113 SEPTION TO THE PMZ-U10023 SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION TO THE SEPTION T	T HUMAN		0	1.0	14400	9316	<u>2</u>	T
9160   14243   1.1   0   8922391  NT	Human apolipopidisiri be too tiitaas, compress cons			0	7.8	14383	9302	4176	T
9160   14243   1.1   0   8922391   NT	Homo sapielis linver of chackery complete ods			0	1.1	14369	9289	4163	1
9160   14243   1.1   0   8922391   NT	Homo sapielis circuliosorio e contro protein, pseudogene			L	0.9		9263	4137	٦
9160   14243   1.1   0   8922391   NT	Tollo saprella desliropiami. (5. 1) - 1. C. Saprella HS21C103		96186	L	8.2	14336	9256	4130	٦
9160   14243   1.1   0   8922391   NT	Homo Sapiens desmortakin (DPI DPII) (DSP) mRNA		4/58199	0	8.2	14335	9256	4130	T
9160   14243   1.1   0   8922391   NT	Homo positions desempishin (OPI OPII) (DSP) mRNA		4506862	0	0.9	14333	9252	4126	
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9160   14243   1.1   0   8922391   NT	Long earliers titin (TTN) mRNA		0211004	c	3.8	14323	9239	4113	
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Table 4

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	601158935F1 NIH_MGC_21 Homo saplens cDNA done IMAGE:3505521 5'	va83g04.r2 Stratagene fetal spieen (#937205) Homo sapiens cDNA clone IMAGE:68310 5'	ya83g04.r2 Stratagene fetal spieen (#937205) Homo sapiens CUNA cione image: cos io 3	Homo sapiens outylophilin, acciding a serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial serial	morrio sapiens Sofrephinin, Subfamily 2 member A2 (BTN2A2), mRNA	Turno esplens hutymohlilin subfamily 2, member A2 (BTN2A2), mRNA	U.man displacement portain (CCAAT) mRNA	Homo saplens mRNA for KIAA1399 protein, partial cds	Homo sapiens mRNA for KIAA1399 protein, partial cds	recombination breakpoint region	Homo saplens truncated tenascin XB (TNXB) gene, partial cds and TNXA gene	OV2-BT0635-160400-142-h05 BT0635 Homo sapiens cDNA	Human endogenous retrovirus type K (HERV-K), gag, pol and env genes	Homo sapiens เปก (TTN) mRNA	Homo sapiens titin (TTN) mRNA	complete cds	Homo sapiens inwardly-rectifying potassium channel Kirz.1 (KCNJZ) gette, excit z and	complete cds	Homo sapiens inwardly-rectifying potassium channel Kirz. 1 (NCNVZ) Belle, excit = 1111	Homo saplens keratin 18 (KRT18) mkNA	Homo saplens keratin 18 (KR I 18) mRNA	Homo sapiens gene for national protein, parties	Homo sapiens chromosume at segment in partial cole	Homo sapiens cyclophini rouges Promont HS21C100	Homo sapiers circlandilla-related protein (NKTR) gene, complete cds	FIGURE SAPERITOR OF SECURENT HS21C084	Drosophila) homolog 1 (ODZ1), mRNA	zp18g08.s1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:609854 3'	Homo sapiens DNA for amyloid precursor promit, withhere was	histocompatibility complex)	Using seniors mRNA for G7c protein (G7c gene located in the class ill region of the major	1/c p	Homo sapiens FIEW (FIEW) Boild, Source of the major	TOMO Sapisis Kity 10000 Bomo Promo 3 through 5	Demo Springs KIAA0390 gene product (KIAA0390), mRNA	Homo saniens KIAA0390 gene product (KIAA0390), mRNA	Homo sapiens iduronate sulphate sulphatese (IDS) gene, complete cos	Homo sapiens calclum/calmodulin-dependent protein kinase IV (CAMK4) mkwa	Homo sapiens chondroltin sulfate proteoglycan 4 (melanoma-associated) (Cor CT/,	mRNA

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4791	4788	4786	4776	4763	4762	4758	450	4750	4757	4707	757	4756	4752	4748	4746	4744	4743	4741	4740	4739	4737	4697	4686	4676	4655	4655	4652	4644	4644	4636	4621	4620	4617	4617	4614	4593
		7686	9886	9874	9873	0/88	300	9870	9868	2000	9990	9867	9863	9859	9857	9855	9854	9852	9851	9850	9848	800	9798	9788	9767	9767	9764	9758	9758	9750	9735	9734	9731	9731	9728	9707
14995	14992	14990	14979	14969	14968	14900	1005	14964	14962	14001	1,1061	14960	14956	14951	14949	14947	14946	14944	14943	14942	14940			14887	14863	14862	14859	14852	14851		14830	14829	14826	14825	14822	14799
2.0	1.4	0.8	1.0	3.2				1.7	1.7		4.5	1.0	7.8	0.8	1.0	1.4	61.8	3.5	1.5	1.3	2.8	2.0	1.8	1.8	0.9	0.9	1.1	1.0	1.0	1.5	1.3	1.1	3.1	3.1	37.4	=
0	0	0	0	0	o	, c	3	0	0	,	- -	0	0	0	0 .	0	0	0	0	0	c		•	0	0	0	0	0	0	0	0	0	0	0	0	0
4585642 NT	X92841.1	6806918 NT	5032150 NT	AL163280.2	M5558Z.1	A340Z0.1	YOURS 1	X94628.1	M94081.1		M04081 1	7661979 NT	8923080 NT	AL163203.2	8922180 NT	P52740	4885048 NT	4503766	AF097416.1	AF084479.1	X072US. 1	V87205 1	AF083242.1	AW444637.1	7019320	7019320	AF026801.1	7304922	7304922	X58467.1	7662181	AF184110.1	M69197.1	M69197.1	M80902.1	BE390050.1
NT	NT.	3	3	2	2	14	T	N	NT		5	N,	NT	NT	NT	SWISSPROT	NT	S	N	NT	2	1	2	EST_HUMAN	NT		N	N	3	NT	N	S	NT	NT	NT	EST_HUMAN
Homo sapiens zinc finger protein (KIAA0412) mRNA	H.sapiens MICA gene	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mKNA	(TAF2I) mRNA	Homo sapiens chromosome 21 segment nozi cueu			H saniens MeCP-2 gene	H.sapiens MeCP-2 gene	alpha) gene, J1-J61 segments; and Tcr-C-alpha gene, exons 1-4		Human Tcr-C-delta gene, exons 1-4; Tcr-V-delta gene, exons 1-2; 1-cell receptor alpha (1 cr- lalpha) gene, J1-J61 segments; and Tcr-C-alpha gene, exons 1-4	Homo sapiens KIAA0187 gene product (KIAA0187), mRNA	Homo sapiens hypothetical protein FLJ20073 (FLJ20073), mRNA		Homo sapiens hypothetical protein DKFZp762E1312 (DKFZp762E1312), mRNA		Homo sapiens actin, alpha, cardiac muscle (ACTC), mRNA	Homo sapiens fragile X mental retardation 2 (FMR2) mRNA	Mus musculus zinc finger transcription factor Kalso mRNA, complete cds	cds	Homo caples Williams Benren syndrome deletion transcript 9 (WBSCR9) mRNA, complete	M factionistic mDNA for metalloomtessallike disintendelike protein. IVa	Homo sapiens nor Cozenso linky, Company Cas	UI-H-BI3-ajw-c-04-0-UI.s1 NCI_CGAP_Sub5 Homo sapiens cDNA clone IMAGE:2733294 3*	Homo sapiens proteinx0008 (AD013), mRNA	Homo sapiens proteinx0008 (AD013), mRNA	Homo saplens alpha-3 type IX collagen (COL9A3) gene, promoter region, and exons 1-26	Homo saplens bromodomain adjacent to zinc linger domain, 28 (BAZZB), mKNA	Homo sapiens bromodomain adjacent to zinc linger domain, 28 (BAZ2B), MKNA	Human CYP2D7AP pseudogene for cytochrome P450 206	Homo sapiens KIAA0563 gene product (KIAA0563), mRNA	Homo sapiens cyclophilin-related protein (NKTR) gene, complete cas	Human haptoglobin and haptoglobin-related protein (HP and HPR) genes, complete cas	Human haptoglobin and haptoglobin-related protein (HP and HPR) genes, complete cos	Human AHNAK nucleoprotein mRNA, 5' end	601285246F1 NIH_MGC_44 Homo saplens cDNA clone IMAGE:3607067 51

Table 4

																_	2	8	5														·
5096	5098	5098	5096	5080	5071		5070	5070	5065	5056	5056	5055	5055	5054	5040	5037	5037	5018	5005	5005	5003	5001	5000	4990	4987	4978	4868	4960	4959	4957	4957	4953	4953
1 10195	コ	П	9239	10178	10169		10168	10168		$\Box$		▔	_		10140	_	_	$\exists$	_ [	_		10104	10103	10093	10090			10063	10062	9239	9239	10058	10058
		٦	14323	15258	15247		15246	15245	15240	14324	14323	14324	14323	15230	15218	15214	15213	15192	14324	14323	15174	15172	15171			15151		15135	15134	14324	14323	15129	15128
1.3	1.3	6.3	6.3	3.0	1.1		1.0	1.0	1.3	14.9	14.9	11.2	11.2	1.2	1.0	1.8	1.8	2.4	2.9	2.9	4.2	3.0	2.3	37.8	1.3	1.4	1.2	7.8	3.5	5.8	5.8	ដ	1.1
0	0	0	0	ŀ	0		0	0	0	0	0	0	. 0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L35475.1	L35475.1	4507720 NT	4507720 NT	4507720 NT	U91328.1		M10905.1	M10905.1	4557362	4507720	4507720	4507720 NT	4507720 NT	6677700 NT	5454153 NT	AF240635.1	AF240635.1	X52988.1	4507720 NT	4507720 NT	4507720 NT	4507720 NT	AJ277892.1	D50657.1	AL163209.2	AF016705.1	4758225 NT	4507720 NT	4507720 NT	4507720 NT	4507720 NT	U82671.2	U82671.2
NT	NT	NT	NT.	ZT	NT		NT	NT		NT	NT N	N	N <sub>1</sub>	NT	NT.	S	N,	3	NT	3	N T	NT	N	NT	Ŋ	NT	NT	NT	NT	NT	NT	N	N T
Human oifactory receptor-like gene, complete cds	Human olfactory receptor-like gene, complete cds	Homo sapiens titin (TTN) mRNA	Homo sapiens uun (TTN) mKNA	Homo sapiens titn (IIN) mKNA	gene, complete cds	Human hereditary haemochromatosis region, historie ZA-like protein gene, nereulary haemochromatosis (HLA-H) gene, RoRet gene, and sodium phosphate transporter (NPT3)	Human cellular fibronectin mkNA	Human cellular tibronectin mkNA	Homo sapiens PR domain containing 1, with ZNF domain (PRDMT) increase		Homo sapiens tith (TTN) mRNA	Homo sapiens tith (TTN) mRNA	Homo sapiens titin (TTN) mRNA	Homo saplens G-protein coupled receptor (RE2), mRNA		Homo sapiens vascular endothelial cadherin 2 mkNA, complete cus			Homo saplens titin (TTN) mRNA	Homo sapiens titin (TTN) mRNA	Homo sapiens titin (TTN) mRNA	Homo sapiens titin (TTN) mRNA	Homo saplens partial TTN gene for utin	Homo sapiens gammma-cytoplasmic actin (ACTGP3) pseudogene	Homo sapiens chromosome 21 segment HS21CUU9	Homo sapiens E6-AP ubiquitin-protein ligase (UBE3A) gene, exon 3	Homo saplens E2F transcription factor 2 (E2F2) mRNA	Homo sapiens titin (TTN) mRNA	Homo sapiens titin (TTN) mRNA	Homo saplens titin (TTN) mRNA	Homo sapiens titin (TTN) mRNA	Homo saplens chromosome XQZ8 melanoma antigen ramily AZ8 (MAGEAZB), melanoma antigen family A12 (MAGEA12), melanoma antigen family A2b (MAGEA2B), melanoma antigen family A3 (MAGEA3), caltractin (CALT), NAD(P)H dehydrogenase-like protein (NSDHL), and LI>	Homo sapiens chromosome Xq28 melanoma antigen family A2a (MAGEA2A), melanoma antigen family A12 (MAGEA12), melanoma antigen family A2b (MAGEA2B), melanoma antigen family A3 (MAGEA3), caltractin (CALT), NAD(P)H dehydrogenase-like protein (NSDHL), and LI>

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HOLLO Sopratio Convoca manifolia Convoca Provincia	4502380 N I	0	<u>.</u>	15356	5196 10287	5196
Upms cordens headed filament structural protein 1, filensin (BFSP1) mRNA	A FORMACION AND A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE	,	4.5	2000	CALCALC	CRIC
Homo saplens titin (TTN) mRNA	4507720 NT		40	2353	2000	2402
Homo sapiens dun (TTN) HINNEY	4507720 NT	0	4.0	15354	5195 10286	5195
Rough	AL163285.2 NI	0	1.4		10284	5193
Homo Sapiens uun (TTIV) IIINVA	7720	0	6.8	15348	10280	5189
Homo sapielis uni (TTN) HENNA	4507720 N1	o	10.4	14324	9239	5187
HOMO Sapiens duri (11 N) HICKEY	4507720 NT	0	10.4	14323	9239	5187
L. ALL CITAL SONA	AF006061.1 NI	0	1.7	15346	5186 10278	5186
Homo sapiens placental growth hormone isoform hGH-V3 (hGH-V) mRNA, complete cds		,				
Homo sapiens tolialke leceptor o (1510) illinors, complete see	AF245703.1 NT	0	==	15330	5165 10259	5165
		0		15329	5165 10259	5165
Liamo sabienia maninosiasoro, e.p. 17 R8) mRNA complete cds	4/2009/ INI	c	1.6	15326	5162 10256	5162
Home carbons mannesidase alpha class 2A member 1 (MAN2A1), mRNA	40000 NIT	c	1.0	15325	5159 10254	5159
Homo sariena melanoma antigen, family C. 1 (MAGEC1), mRNA	4080474 NT	) c	1.1	15310	5140 10235	5140
Homo sanians melanoma antitien, family C. 1 (MAGEC1), mRNA	AEUUU327.1 NI	è	0.8	15300	5130 10225	5130
Exchange and K-12 MG1655 section 217 of 400 of the complete genome	50213		1.4	15298	5126 10221	5126
	AF195658.1 NI	0	0.9	15297	5124 10220	5124
Homo sapiens uni (1 114) rianvo.	07720	0	9.4	14324	9239	5099
TUTIO Septems unit ( TTY) INCO.	4307720 NI	c	9.4	14323	9239	5099
Plana contene Hila (TTN) mRNA	TIMOPPER	,				

- A spatially-addressable set of single exon nucleic acid probes for measuring gene expression in a sample derived from human heart comprising a nucleotide sequence as set out in any of SEQ ID NOS.: 286, 287, 442, 871, 1029, 1280, 1597, 1619, 1694, 1715, 1721, 1848, 1935, 2119, 2233, 2893, 3003, 3003, 3149, 3403, 3471, 3513, 3607, 4102, 4164, 4184, 4184, 4242, 4730, 4779, 4976, 4988, 5473, 5608, 6019, 6169, 6410, 6723, 6745, 6818, 6838, 6844, 6966, 7052, 7230, 7340, 8044, 8155, 8298, 8545, 8612, 8654, 8746, 9228, 9290, 9310, 9367, 9842, 9889, 10079 and 10091.
- 15 2. A single exon nucleic acid probe for measuring human gene expression in a sample derived from human heart comprising a nucleotide sequence as set out in any of SEQ ID NOs.: 286, 287, 442, 871, 1029, 1280, 1597, 1619, 1694, 1715, 1721, 1848, 1935, 2119, 2233, 2893, 3003, 3003, 3149, 3403, 3471, 3513, 3607, 4102, 4164, 4184, 4184, 4242, 4730, 4779, 4976, 4988 or a complementary sequence or a unique fragment thereof wherein said probe hybridizes at high stringency to a nucleic acid molecule expressed in the human heart.

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A single exon nucleic acid probe as claimed in claim 2 comprising a nucleotide sequence as set out in any of SEQ ID NOs.: 5473, 5608, 6019, 6169, 6410, 6723, 6745, 6818, 6838, 6844, 6966, 7052, 7230, 7340, 8044, 8155, 8298, 8545, 8612, 8654, 8746, 9228, 9290, 9310, 9367, 9842, 9889, 10079 and 10091 or a complementary sequence or a unique fragment thereof.

- 4. A single exon nucleic acid probe for measuring human gene expression in a sample derived from human heart which is a nucleic acid molecule having a sequence encoding a peptide comprising a peptide sequence as set out in any of SEQ ID NOs.: 10603, 10741, 11179, 11571, 11893, 11913, 11999, 12017, 12023, 12152, 12245, 12439, 12552, 13144, 13255, 13256, 13407, 13653, 13724, 13841, 14313, 14370, 14390, 14391, 14934, 15149 and 15161, or a complementary sequence or a unique fragment thereof wherein said probe hybridizes at high stringency to a nucleic acid expressed in the human heart.
- 5. A single exon nucleic acid probe as claimed in any one of claims 1 to 4 wherein said single exon nucleic acid probe comprises between 15 and 25 contiguous nucleotides of said SEQ ID NO.
  - 6. A single exon nucleic acid probe as claimed in any one of claims 1 to 4, wherein said probe is between 3 25 kb in length.

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- 7. A single exon nucleic acid probe as claimed in any one of claims 1 to 6, wherein said probe is DNA, RNA or PNA.
- 25 8. A single exon nucleic acid probe as claimed in any one of claims 1 to 7, wherein said probe is detectably labeled.
- 9. A single exon nucleic acid probe as claimed in any one 30 of claims 1 to 8, wherein said probe lacks prokaryotic and bacteriophage vector sequence.

- 10. A single exon nucleic acid probe as claimed in any one of claims 1 to 9, wherein said probe lacks homopolymeric stretches of A or T.
- 11. A nucleic acid sequence as set out in any of SEQ ID NOs: 286, 287, 442, 871, 1029, 1280, 1597, 1619, 1694, 1715, 1721, 1848, 1935, 2119, 2233, 2893, 3003, 3003, 3149, 3403, 3471, 3513, 3607, 4102, 4164, 4184, 4184, 4242, 4730, 4779, 4976, 4988, 5473, 5608, 6019, 6169, 6410, 6723, 6745, 6818, 6838, 6844, 6966, 7052, 7230, 7340, 8044, 8155, 8298, 8545, 8612, 8654, 8746, 9228, 9290, 9310, 9367, 9842, 9889, 10079 and 10091 which encodes a peptide.
- 15 12. A peptide encoded by a sequence as set out in any of SEQ ID Nos: 286, 287, 442, 871, 1029, 1280, 1597, 1619, 1694, 1715, 1721, 1848, 1935, 2119, 2233, 2893, 3003, 3003, 3149, 3403, 3471, 3513, 3607, 4102, 4164, 4184, 4184, 4242, 4730, 4779, 4976, 4988, 5473, 5608, 6019, 6169, 6410, 6723, 6745, 6818, 6838, 6844, 6966, 7052, 7230, 7340, 8044, 8155, 8298, 8545, 8612, 8654, 8746, 9228, 9290, 9310, 9367, 9842, 9889, 10079 and 10091.
- 13. A peptide comprising a sequence as set out in any of SEQ ID NOS.: 10603, 10741, 11179, 11571, 11893, 11913, 11999, 12017, 12023, 12152, 12245, 12439, 12552, 13144, 13255, 13256, 13407, 13653, 13724, 13841, 14313, 14370, 14390, 14391, 14934, 15149 and 15161.
- 30 14. A spatially-addressable set of single exon nucleic acid probes for measuring gene expression in a sample derived from human heart comprising a plurality single exon nucleic probes, said probes comprising any one of the nucleotide sequences set out in SEQ ID NOs: 1 - 5,202 or

- a complementary sequence, or a portion of such a sequence.
- 15. A spatially-addressable set of single exon nucleic acid probes as claimed in claim 1 wherein each of said plurality of probes is separately and addressably amplifiable.
- 16. A spatially-addressable set of single exon nucleic acid probes as claimed in claim 1 wherein each of said plurality of probes is separately and addressably isolatable from said plurality.
- 17. A spatially-addressable set of single exon nucleic acid probes as claimed in any of claims 1 to 3 wherein said probes comprise any one of the nucleotide sequences set out in SEQ ID NOS.: 5,203 10,283.
- 18. A spatially-addressable set of single exon nucleic acid 20 probes as claimed in any of claims 1 to 4, wherein each of said plurality of probes is amplifiable using at least one common primer.
- 19. A spatially-addressable set of single exon nucleic acid
  25 probes as claimed in any of claims 1 to 5 wherein the
  set comprises between 50 20,000 single exon nucleic
  acid probes.
- 20. A spatially-addressable set of single exon nucleic acid 30 probes as claimed in any of claims 1 to 6, wherein the average length of the single exon nucleic acid probes is between 200 and 500 bp.
- 21. A spatially-addressable set of single exon nucleic acid probes as claimed in any of claims 1 to 7, wherein at

least 50% of said single exon nucleic acid probes lack prokaryotic and bacteriophage vector sequence.

- 22. A spatially-addressable set of single exon nucleic acid probes as claimed in any of claims 1 to 8, wherein at least 50% of said single exon nucleic acid probes lack homopolymeric stretches of A or T.
- 23. A spatially-addressable set of single exon nucleic acid 10 probes as claimed in any of claims 1 - 9 characterised in that said set of probes is addressably disposed upon a substrate.
- 24. A spatially-addressable set of single exon nucleic acid probes as claimed in claim 10 wherein said substrate is selected from glass, amorphous silicon, crystalline silicon and plastic.
- 25. A microarray comprising a spatially addressable set of single exon nucleic acid probes as claimed in any of claims 1 11.
- 26. A single exon nucleic acid probe for measuring human gene expression in a sample derived from human heart comprising a nucleotide sequence as set out in any of SEQ ID NOs.: 1 5,202 or a complementary sequence or a fragment thereof wherein said probe hybridizes at high stringency to a nucleic acid molecule expressed in the human heart.

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27. A single exon nucleic acid probe as claimed in claim 13 comprising a nucleotide sequence as set out in any of SEQ ID NOs.: 5,203 - 10,283 or a complementary sequence or a fragment thereof.

- 28. A single exon nucleic acid probe for measuring human gene expression in a sample derived from human heart which is a nucleic acid molecule having a sequence encoding a peptide comprising a peptide sequence as set out in any of SEQ ID NOs.: 10,284 15,322, or a complementary sequence or a fragment thereof wherein said probe hybridizes at high stringency to a nucleic acid expressed in the human heart.
- 10 29. A single exon nucleic acid probe as claimed in any one of claims 13 to 15 wherein said single exon nucleic acid probe comprises between 15 and 25 contiguous nucleotides of said SEQ ID NO.
- of claims 13 to 15, wherein said probe is between 3 25 kb in length.
- 31. A single exon nucleic acid probe as claimed in any one of claims 13 17, wherein said probe is DNA, RNA or PNA.
  - 32. A single exon nucleic acid probe as claimed in any one of claims 13 18, wherein said probe is detectably labeled.
    - 33. A single exon nucleic acid probe as claimed in any one of claims 13 19, wherein said probe lacks prokaryotic and bacteriophage vector sequence.

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34. A single exon nucleic acid probe as claimed in any one of claims 13 - 20, wherein said probe lacks homopolymeric stretches of A or T.

35. A method of measuring gene expression in a sample derived from human heart, comprising:

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contacting the microarray of claim 12, with a first collection of detectably labeled nucleic acids, said first collection of nucleic acids derived from mRNA of human heart; and then measuring the label detectably bound to each probe of

measuring the label detectably bound to each probe of said microarray.

10 36. A method of identifying exons in a eukaryotic genome, comprising:

algorithmically predicting at least one exon from genomic sequence of said eukaryote; and then detecting specific hybridization of detectably labeled nucleic acids to a single exon probe,

wherein said detectably labeled nucleic acids are derived from mRNA from the heart of said eukaryote, said probe is a single exon probe having a fragment identical in sequence to, or complementary in sequence to, said predicted exon, said probe is included within a microarray according to claim 12, and said fragment is selectively hybridizable at high stringency.

37. A method of assigning exons to a single gene, comprising:

identifying a plurality of exons from genomic sequence according to the method of claim 23; and then

measuring the expression of each of said exons in a plurality of tissues and/or cell types using hybridization to single exon microarrays having a probe with said exon,

wherein a common pattern of expression of said exons in said plurality of tissues and/or cell types indicates that the exons should be assigned to a single gene.

- 38. A nucleic acid sequence as set out in any of SEQ ID NOs: 1 10,283 which encodes a peptide.
- 39. A peptide encoded by a sequence as set out in any of SEQ ID Nos: 1 10,283.
  - 40. A peptide comprising a sequence as set out in any of SEQ ID Nos: 10,284 15,322.







Application No: Claims searched:

GB 0115281.8

1-13

Examiner:

L.V.Thomas

Date of search:

13 August 2001

## Patents Act 1977 Search Report under Section 17

## Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.S):

Int Cl (Ed.7):

Other:

Online: CAS-ONLINE

## Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
	NONE	
	NONE	

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